



XXXXI ECLAMC ANGRA DOS REIS 2009  
DOCUMENTO FINAL

XXXXI REUNION ANUAL DEL ESTUDIO COLABORATIVO  
LATINOAMERICANO DE MALFORMACIONES CONGENITAS

ANGRA DOS REIS/RJ  
11 a 16 de noviembre de 2009

Versión Electrónica

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## Organizadores y participantes

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Coo	Juan Antonio Gili	Buenos Aires
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Ina	Laura Bannach Jardim	Porto Alegre
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<b>HOS</b>	<b>NOME</b>	<b>ORIGEM</b>
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413	Margarita Nura Mussi	Rosario
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ICBD	Rosa Gajardo Abarza	Talca
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Coo	Viviana Cosentino	Buenos Aires
UFRJ	Viviane Freitas de Castro	Rio de Janeiro

## AGRADECIMENTOS

Gracias a las instituciones:



CAPES: Processo PAEP nº 0468/08-8

**INaGeMP**  
INAGEMP

**Instituto Nacional de Genética Médica Populacional**  
Edital 15/2008-MCT/CNPq/Institutos Nacionais de Ciência e Tecnologia  
Processo 573993/2008-4



**FIOCRUZ/IOC/  
Laboratório Epidemiologia de Malformações Congênitas : POM/2009**

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**PROGRAMA CIENTÍFICO**  
**41ª REUNIÃO ANUAL DO ECLAMC**  
**11-16 DE NOVEMBRO DE 2009**  
**PORTOGALO - ANGRA DOS REIS**

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**4ª Feira 11**

- 12:00-18:00 Chegadas e traslados
- 19:00-21:00 Recepção
- 22:00-23:00 Apresentações

**5ª Feira 12**

- 08:00-08:30 A nova rede ECLAMC SQL, Apresentação. (Castilla e Mariona)
- 08:30-10:30 Treinamento na nova rede ECLAMC SQL, Parte-I. (Mariona e Piola)
- 11:00-11:30 Projetos: A genética médica populacional (Orioli).
- 11:30-12:00 Anomalias Dentais (Flávia Carvalho).
- 12:00-13:00 Conferência: Mastroiacovo: Preconception care to prevent birth defects.
- 15:00-16:00 Consultório: Casos 1 a 4: Orioli e Vargas
- 16:30-18:30 Consultório: Casos 5 a 12: Orioli e Vargas
- 21:00-22:00 Conferência noturna: Cohen: German, Nazi, and Holocaust Medicine.

**6ª Feira 13**

- 08:00-10:30 Treinamento na nova rede ECLAMC SQL, Parte-II. (Mariona e Piola)
- 11:00-12:00 Los 5 Latinos de la Clearinghouse= Introd (10'); México (10'); Cuba (10'); Costa Rica (10'), Chile-Maule (10'), Bogotá (10').
- 12:00-13:00 Conferência: G.Scarano: New pathways in Skeletal Dysplasias.
- 15:00-16:00 Consultório: Casos 13 a 16: Orioli e Vargas
- 16:30-18:30 Consultório: Casos 17 a 24: Orioli e Vargas
- 21:00-22:00 Assembléia das Associações ECLAMC.

**Sábado 14**

- 08:00-10:30 Projetos: Apresentações de 10 projetos do INaGeMP (15' cada um) (Vários)
- 11:00-11:30 Projetos: Os projetos do INaGeMP: Aspectos metodológicos. (López Camelo)
- 11:30-12:00 Projetos: Fortificação com ácido fólico em três países.(López Camelo)
- 12:00-13:00 Conferência: A Richieri-Costa: Pensando as fendas oblíquas de Tessier.
- 15:00-18:30 Tarde Livre (Reunião do Comitê Gestor do INaGeMP).

**Domingo 15**

- 08:00-13:00 Consultório: Casos 25 a 34: Orioli e Vargas
- 11:00-12:00 Consultório: Casos 35 a 38: Orioli e Vargas
- 12:00-13:00 Conferência: P Lapunzina: Cardiopatias cono-truncais, deleções e duplicações 22q11.2.
- 15:00-16:00 Conferência: MM Cohen Jr: Perspectives on RUNX Genes.
- 16:30-17:30 Conferência: JC Cabral de Almeida- 50 Anos de Citogenética
- 17:30-18:30 Conferência: EE Castilla: O sucesso do ECLAMC.

**2ª Feira 16**

- 07:00-09:00 Café da manhã
  - 08:00 Primeiro Ônibus para o Galeão
  - 14:00 Segundo Ônibus para o Galeão
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## LOS DATOS DEL ECLAMC

### Los datos de 2008

#### NACIMIENTOS, MALFORMADOS Y MORTINATOS

##### INSTRUCCIONES PARA LEER ESTA TABLA

En el año 2008, en 49 hospitales, distribuidos en 8 países latinoamericanos, el ECLAMC examinó un total de 134.002 nacimientos, 99% de ellos (133.252) con la modalidad CASO/CONTROL y 1% (750) con la modalidad de trabajo de COHORTE.

La tabla de las dos páginas siguientes presenta el material observado, con las frecuencias expresadas en número de casos y en porcentajes, para cada hospital, para el total de cada modalidad (ECL y MON) y para el total del ECLAMC (TOT).

Las abreviaturas empleadas son:

HOS	Numero de código de cada hospital
ECL	Modalidad caso/control
MON	Modalidad cohorte
TOT	Total del ECLAMC
T.B	Nº de Nacimientos totales
L.B	Nº de Nacimientos vivos
S.B	Nº de Nacimientos muertos.....y..%SB % de S.B.
M.T.B	Nº de Malformados totales.....y..%MTB % de M.T.B
M.L.B	Nº de Malformados nativos.....y..%MLB % de M.L.B
M.S.B	Nº de Malformados mortinatos..y..%MSB % de M.S.B

El ECLAMC, actualmente está cubriendo aproximadamente 130.000 nacimientos por año en diferentes países latinoamericanos. Alrededor de 30% de la muestra corresponde a Argentina, 30% a Brasil, y los 40% restantes a los otros países sudamericanos (CHL-15%, COL-10%, ECU-8%, VEN-4%, BOL-5%, y URU-2%).

Los datos aislados del año 2008 permiten, a quién así lo desee, discriminar por año a los valores acumulados desde 1982, considerando para ello esta misma tabla en los documentos finales de las reuniones anteriores.

## NACIMIENTOS, MALFORMADOS, NATIMORTOS

PERIODO 2008

HOS	T	T.B	L.B	S.B	M.T.B	M.L.B	M.S.B	%MTB	%MLB	%MSB	%SB
101	1	642	637	5	10	10	0	1.5	1.5	0.0	0.7
110	1	1435	1426	9	32	32	0	2.2	2.2	0.0	0.6
114	1	368	367	1	2	2	0	0.5	0.5	0.0	0.2
201	1	1653	1636	17	126	122	4	7.6	7.4	23.5	1.0
217	1	4539	4496	43	192	187	5	4.2	4.1	11.6	0.9
219	1	2440	2425	15	143	138	5	5.8	5.6	33.3	0.6
220	1	3442	3422	20	50	50	0	1.4	1.4	0.0	0.5
225	1	4357	4317	40	115	106	9	2.6	2.4	22.5	0.9
226	1	624	617	7	22	21	1	3.5	3.4	14.2	1.1
227	1	3683	3659	24	53	52	1	1.4	1.4	4.1	0.6
332	1	1316	1306	10	30	28	2	2.2	2.1	20.0	0.7
337	1	2714	2691	23	55	55	0	2.0	2.0	0.0	0.8
403	1	850	843	7	36	36	0	4.2	4.2	0.0	0.8
413	1	4572	4530	42	157	154	3	3.4	3.4	7.1	0.9
416	1	1033	1024	9	23	19	4	2.2	1.8	44.4	0.8
418	1	2383	2357	26	43	42	1	1.8	1.7	3.8	1.0
419	1	205	205	0	3	3	0	1.4	1.4	0.0	0.0
423	1	186	184	2	0	0	0	0.0	0.0	0.0	1.0
510	1	6299	6223	76	120	113	7	1.9	1.8	9.2	1.2
614	1	1946	1938	8	67	67	0	3.4	3.4	0.0	0.4
704	1	3815	3788	27	55	55	0	1.4	1.4	0.0	0.7
803	1	10201	10041	160	201	191	10	1.9	1.9	6.2	1.5
907	1	293	293	0	5	5	0	1.7	1.7	0.0	0.0
908	1	768	766	2	5	4	1	0.6	0.5	50.0	0.2
A04	1	3162	3143	19	101	99	2	3.1	3.1	10.5	0.6
A05	1	915	863	52	329	283	46	35.9	32.7	88.4	5.6
A10	1	1017	1014	3	12	12	0	1.1	1.1	0.0	0.3
A25	1	2757	2742	15	125	115	10	4.5	4.1	66.6	0.5
A33	1	2947	2888	59	161	126	35	5.4	4.3	59.3	2.0
A39	1	2561	2511	50	332	301	31	12.9	11.9	62.0	1.9
A47	1	2873	2835	38	216	216	0	7.5	7.6	0.0	1.3
A49	2	750	745	5	27	27	0	3.6	3.6	0.0	0.6
A50	1	1815	1789	26	51	50	1	2.8	2.7	3.8	1.4
A51	1	5915	5864	51	201	201	0	3.4	3.4	0.0	0.8
A56	1	6509	6378	131	387	385	2	5.9	6.0	1.5	2.0
A60	1	2558	2535	23	136	135	1	5.3	5.3	4.3	0.9
A61	1	450	447	3	67	67	0	14.8	14.9	0.0	0.6
A62	1	3659	3634	25	135	134	1	3.6	3.6	4.0	0.6
B01	1	3683	3579	104	88	69	19	2.3	1.9	18.2	2.8
B10	1	2700	2676	24	55	55	0	2.0	2.0	0.0	0.8
E01	1	2671	2661	10	97	97	0	3.6	3.6	0.0	0.3
E04	1	1693	1661	32	25	24	1	1.4	1.4	3.1	1.8
E09	1	2826	2823	3	40	40	0	1.4	1.4	0.0	0.1
E10	1	3958	3897	61	131	131	0	3.3	3.3	0.0	1.5
F02	1	5177	5105	72	112	104	8	2.1	2.0	11.1	1.3
G11	1	3704	3690	14	135	134	1	3.6	3.6	7.1	0.3
G16	1	2204	2194	10	83	82	1	3.7	3.7	10.0	0.4
G19	1	6730	6589	141	177	156	21	2.6	2.3	14.8	2.1
G20	1	1004	992	12	53	50	3	5.2	5.0	25.0	1.2
MON		750	745	5	27	27	0	3.6	3.6	0.0	0.6
ECL		133252	131701	1551	4794	4558	236	3.6	3.4	15.2	1.1
TOT		134002	132446	1556	4821	4585	236	3.6	3.4	15.1	1.1

## Los datos del periodo 1 9 8 2 – 2 0 0 8

### **NACIMIENTOS, MALFORMADOS Y MORTINATOS**

Se presentan con la misma estructura de tabla y las mismas abreviaturas explicadas anteriormente para los datos del año 2008.

### **55 DIAGNOSTICOS DE MALFORMACION**

Las frecuencias se expresan en número de casos (N) y en tasas (TASA) por diez mil nacimientos y ellas se refieren a dichos diagnósticos en sus formas aisladas y asociadas. En otras palabras, se refieren a malformaciones y no a niños malformados, de modo que un niño con dos malformaciones aparecerá dos veces en la tabla (siempre que ambas pertenezcan al grupo de estos 55 diagnósticos).

Los 55 diagnósticos seleccionados son:

ABREVIAT	DENOMINACION	CODIGO
ONFALOCEL	Onfalocele	55112
GASTROSQ	Gastrosquisis	55115
ANENCEFAL	Anencefalia	7400
ESP.BIFID	Espina bifida	741-
HIDROCEF	Hidrocefalia	7420
CEFALOCEL	Cefalocele	7430
MICROCEF	Microcefalia	7431
MICROFTAL	An/microftalmia	744A
MICROTIA	An/microtia	745/A
DEFCONOTR	Defecto conotruncal	746TO
DEFSEPTAL	Defecto septal	746SE
HIPOCORIZ	Hipoplasia corazon izquierdo	746IZ
PDA	Persistencia del ductus arterioso	746PD
CARDIOTR	Otras Cardiopatias	746/A
CARDIONE	Cardiopatía de tipo no especificado	746NE
P.HENDIDO	Paladar hendido	7490A
L.LEPORIN	Labio leporino con o sin paladar hendido	749/A
ATR.ESOF	Atresia de esofago	7502
ATR.DUOD	Atresia de duodeno	75111
ATR.YEYU	Atresia de yeyuno-ileo	75112
ATR.ANAL	Atresia de ano	7512
MALR.INT	Malrotacion intestinal	75141
GEN.AMBIG	Genitalia ambigua	75200
HIOSPAD	Hipospadias	7522
AGEN.REN	Agenesia o displasia renal	7530
RIN POLIQ	Poliquistosis renal	7531
HIDRONEFR	Hidronefrosis	7532
EQUINOVAR	Talipes equinovaro	7541
TALOVALGO	Talipes talovalgo	7542
POLID.POS	Polidactilia postaxial	7550A
POLID.PRE	Polidactilia preaxial	7550B
POLID.OTR	Polidactilia, otros tipos incluye NE	7550R
SIND.2-3	Sindactilia de 2º y 3º orjejos	75516

SIND.OTR	Sindactilia, otros tipos	7551R
AMELIA	Miembro, ausencia total	755/1
AMPUTAC	Miembro, ausencia transversal terminal	755/2
HIPOPL.T	Miembro, hipopl transversal terminal	755/3
RED.T.INT	Miembro, reduccion transversal intercalar	755/4
RED.L.PRE	Miembro, reduccion longitud preaxial	755/5
RED.L.POS	Miembro, reduccion longitud postaxial	755/6
RED.L.AXI	Miembro, reduccion longitud axial	755/7
RED.L.OTR	Miembro, reduccion longitud complejas	755/8
RED.COMB	Miembro, reduccion formas combinadas	755/9
SUBLUXAC	Ortolani positivo	7556A
LUXACION	Luxacion verdadera de la cadera	7556B
ARTROGRIP	Artrogriposis	75581
HERN.DIAF	Hernia diafragmatica	75681
DEF.M.ABD	Deficiencia de la musculatura abdominal	75682
PECTORALS	Defecto del músculo pectoral mayor	75683
BRIDAS	Bridas amnióticas	75724
DOWN	Síndrome de Down	7593
SIAMESES	Siameses	75910
CICLOPIA	Ciclopedia	75921
SIRENOMEL	Sirenomelia	75922
ACARDIOCF	Acardiocefalo, nene bola	75923

## **POLIMALFORMADOS**

Aquí se presenta la frecuencia de niños con dos o más malformaciones, clasificadas en 3 grupos: SDR (Síndromes), con dos o más malformaciones interrelacionadas patogenicamente (PATOG) o etiologicamente (ETIOL). Si las malformaciones no están interrelacionadas, se llaman MÚLTIPLES.

## **ALARMAS**

Las frecuencias de los 55 diagnósticos en cada hospital fueran comparada con las del total del ECLAMC obtenidas en el mismo periodo 1982-2008. Se comparó el número de casos observados con el número esperado utilizando los límites de confianza para la distribución de Poisson, cuando los esperados fueran mayores que uno caso por hospital. Cuando los esperados fueran menores o igual que uno, se utilizó la probabilidad exacta de Poisson. Los valores significativamente mayores que los esperados (para un nivel de probabilidad de 0.01) para el total del ECLAMC figuran en estas tablas marcados con signo positivo (+) y los valores significativamente menores que los esperados aparecen en las tablas con un signo (-).

## NACIMIENTOS, MALFORMADOS, NATIMORTOS

PERIODO 1982-2008

HOS	T	T.B	L.B	S.B	M.T.B	M.L.B	M.S.B	%MTB	%MLB	%MSB	%SB
101	3	115386	112933	2453	2234	2120	114	1.9	1.8	4.6	2.1
103	3	28760	28262	498	444	398	46	1.5	1.4	9.2	1.7
105	3	6943	6876	67	71	69	2	1.0	1.0	2.9	0.9
107	2	8530	8472	58	299	293	6	3.5	3.4	10.3	0.6
108	2	6170	6137	33	117	112	5	1.9	1.8	15.1	0.5
109	2	6382	6328	54	56	48	8	0.8	0.7	14.8	0.8
110	3	56237	55832	405	1695	1665	30	3.0	2.9	7.4	0.7
111	3	2631	2579	52	18	15	3	0.6	0.5	5.7	1.9
112	1	2517	2492	25	40	37	3	1.5	1.4	12.0	0.9
113	1	1629	1612	17	65	63	2	3.9	3.9	11.7	1.0
114	1	3621	3608	13	46	46	0	1.2	1.2	0.0	0.3
115	1	1504	1485	19	6	6	0	0.4	0.4	0.0	1.2
116	1	2478	2456	22	94	94	0	3.7	3.8	0.0	0.8
201	1	74938	74408	530	5322	5226	96	7.1	7.0	18.1	0.7
203	2	3942	3922	20	44	44	0	1.1	1.1	0.0	0.5
204	2	3419	3384	35	60	58	2	1.7	1.7	5.7	1.0
205	3	49500	48960	540	1163	1106	57	2.3	2.2	10.5	1.0
206	1	2476	2469	7	139	130	9	5.6	5.2	128.5	0.2
207	2	76566	76011	555	959	907	52	1.2	1.1	9.3	0.7
208	2	14846	14803	43	298	293	5	2.0	1.9	11.6	0.2
209	1	9845	9787	58	179	177	2	1.8	1.8	3.4	0.5
210	2	53344	52597	747	861	812	49	1.6	1.5	6.5	1.4
211	2	17897	17814	83	301	297	4	1.6	1.6	4.8	0.4
212	2	6417	6394	23	105	102	3	1.6	1.6	13.0	0.3
213	1	10623	10531	92	466	450	16	4.3	4.2	17.3	0.8
214	1	9684	9651	33	239	237	2	2.4	2.4	6.0	0.3
216	1	1169	1166	3	31	29	2	2.6	2.4	66.6	0.2
217	1	54433	53839	594	2421	2320	101	4.4	4.3	17.0	1.0
218	2	4766	4742	24	118	118	0	2.4	2.4	0.0	0.5
219	1	21166	21028	138	1285	1257	28	6.0	5.9	20.2	0.6
220	1	29742	29506	236	928	919	9	3.1	3.1	3.8	0.7
221	1	39501	39258	243	1759	1710	49	4.4	4.3	20.1	0.6
222	1	15864	15763	101	606	599	7	3.8	3.8	6.9	0.6
223	1	35455	35228	227	924	900	24	2.6	2.5	10.5	0.6
224	1	24197	24039	158	884	868	16	3.6	3.6	10.1	0.6
225	1	31853	31623	230	945	901	44	2.9	2.8	19.1	0.7
226	1	4172	4148	24	155	154	1	3.7	3.7	4.1	0.5
227	1	23543	23413	130	356	343	13	1.5	1.4	10.0	0.5
301	1	3367	3341	26	63	62	1	1.8	1.8	3.8	0.7
302	3	8099	7955	144	202	186	16	2.4	2.3	11.1	1.7
303	1	42720	42084	636	1986	1936	50	4.6	4.6	7.8	1.4
308	1	40059	39402	657	2162	2121	41	5.4	5.3	6.2	1.6
318	3	138951	137159	1792	4250	3992	258	3.0	2.9	14.4	1.2
319	2	11723	11508	215	380	373	7	3.2	3.2	3.2	1.8
322	3	106024	104758	1266	1550	1492	58	1.4	1.4	4.5	1.1
323	2	7015	6841	174	116	104	12	1.6	1.5	6.9	2.4
324	3	6024	5965	59	257	247	10	4.2	4.1	16.9	0.9
325	3	32338	31739	599	1954	1907	47	6.0	6.0	7.8	1.8
326	3	8471	8395	76	146	139	7	1.7	1.6	9.2	0.9
327	2	2269	2217	52	16	13	3	0.7	0.5	5.7	2.2
329	2	3979	3938	41	124	116	8	3.1	2.9	19.5	1.0
330	1	12050	11954	96	376	357	19	3.1	2.9	19.7	0.8
331	1	1513	1510	3	36	36	0	2.3	2.3	0.0	0.2
332	1	14489	14301	188	902	879	23	6.2	6.1	12.2	1.3
333	1	13545	13473	72	182	178	4	1.3	1.3	5.5	0.5
334	1	5145	5105	40	65	64	1	1.2	1.2	2.5	0.7
335	1	6164	6117	47	164	163	1	2.6	2.6	2.1	0.7
336	1	709	700	9	5	5	0	0.7	0.7	0.0	1.2
337	1	2714	2691	23	55	55	0	2.0	2.0	0.0	0.8
403	1	23926	23583	343	1536	1507	29	6.4	6.3	8.4	1.4
404	2	7929	7810	119	86	80	6	1.0	1.0	5.0	1.5
406	3	8783	8706	77	261	246	15	2.9	2.8	19.4	0.8
407	3	84055	82912	1143	1791	1701	90	2.1	2.0	7.8	1.3
408	3	28539	28005	534	496	478	18	1.7	1.7	3.3	1.8
409	2	1164	1152	12	10	9	1	0.8	0.7	8.3	1.0
411	2	1827	1819	8	51	51	0	2.7	2.8	0.0	0.4
412	3	9320	9208	112	147	138	9	1.5	1.5	8.0	1.2
413	3	90029	89065	964	3354	3254	100	3.7	3.6	10.3	1.0
414	3	34832	34217	615	836	808	28	2.4	2.3	4.5	1.7
415	1	4974	4947	27	129	127	2	2.5	2.5	7.4	0.5
416	1	10931	10838	93	262	237	25	2.4	2.1	26.8	0.8
417	1	5224	5208	16	101	100	1	1.9	1.9	6.2	0.3
418	1	16037	15847	190	330	326	4	2.0	2.0	2.1	1.1
420	1	795	787	8	14	14	0	1.7	1.7	0.0	1.0
421	1	2454	2446	8	57	56	1	2.3	2.2	12.5	0.3

## NACIMIENTOS, MALFORMADOS, NATIMORTOS

PERIODO 1982-2008

HOS	T	T.B	L.B	S.B	M.T.B	M.L.B	M.S.B	%MTB	%MLB	%MSB	%SB
422	1	1930	1922	8	25	24	1	1.3	1.2	12.5	0.4
423	1	1906	1897	9	14	14	0	0.7	0.7	0.0	0.4
501	1	115467	113248	2219	3571	3461	110	3.0	3.0	4.9	1.9
502	2	5519	5458	61	359	358	1	6.5	6.5	1.6	1.1
503	3	40290	39726	564	789	762	27	1.9	1.9	4.7	1.4
504	2	758	757	1	7	7	0	0.9	0.9	0.0	0.1
505	1	2778	2742	36	50	49	1	1.8	1.7	2.7	1.3
506	1	2653	2644	9	36	35	1	1.3	1.3	11.1	0.3
510	1	46232	45747	485	1126	1070	56	2.4	2.3	11.5	1.0
601	3	31131	30608	523	682	660	22	2.1	2.1	4.2	1.6
603	2	391	382	9	3	3	0	0.7	0.7	0.0	2.3
604	2	28455	28067	388	529	501	28	1.8	1.7	7.2	1.3
605	1	38519	37843	676	1216	1183	33	3.1	3.1	4.8	1.7
607	3	17259	17037	222	430	420	10	2.4	2.4	4.5	1.2
608	2	14268	14146	122	199	195	4	1.3	1.3	3.2	0.8
609	2	1830	1809	21	29	29	0	1.5	1.6	0.0	1.1
610	3	12922	12799	123	248	236	12	1.9	1.8	9.7	0.9
611	2	2114	2094	20	9	9	0	0.4	0.4	0.0	0.9
612	2	1422	1410	12	2	2	0	0.1	0.1	0.0	0.8
613	2	1320	1305	15	10	9	1	0.7	0.6	6.6	1.1
614	1	20177	19956	221	487	481	6	2.4	2.4	2.7	1.1
615	1	2029	2024	5	20	20	0	0.9	0.9	0.0	0.2
616	1	1003	997	6	13	13	0	1.3	1.3	0.0	0.6
617	1	2850	2835	15	43	43	0	1.5	1.5	0.0	0.5
703	2	73308	72310	998	1070	1019	51	1.4	1.4	5.1	1.3
704	3	52608	51681	927	966	922	44	1.8	1.7	4.7	1.7
801	2	1975	1933	42	18	18	0	0.9	0.9	0.0	2.1
803	3	271267	265538	5729	5199	4969	230	1.9	1.8	4.0	2.1
804	2	827	810	17	19	18	1	2.3	2.2	5.8	2.0
805	3	22931	22538	393	295	286	9	1.2	1.2	2.2	1.7
806	2	8051	8000	51	58	54	4	0.7	0.6	7.8	0.6
807	2	2205	2147	58	32	26	6	1.4	1.2	10.3	2.6
808	3	6031	6022	9	74	74	0	1.2	1.2	0.0	0.1
809	1	11594	11506	88	288	286	2	2.4	2.4	2.2	0.7
810	1	6867	6775	92	76	72	4	1.1	1.0	4.3	1.3
903	2	2099	2062	37	75	74	1	3.5	3.5	2.7	1.7
906	1	7990	7867	123	387	379	8	4.8	4.8	6.5	1.5
907	3	7578	7501	77	128	123	5	1.6	1.6	6.4	1.0
908	3	6753	6680	73	67	63	4	0.9	0.9	5.4	1.0
909	2	5193	5148	45	145	145	0	2.7	2.8	0.0	0.8
911	1	1187	1167	20	13	12	1	1.1	1.0	5.0	1.6
913	1	2143	2123	20	91	90	1	4.2	4.2	5.0	0.9
914	1	250	248	2	3	3	0	1.2	1.2	0.0	0.8
A02	3	43533	42196	1337	1428	1346	82	3.2	3.1	6.1	3.0
A04	1	102051	100700	1351	2970	2906	64	2.9	2.8	4.7	1.3
A05	3	12760	12518	242	547	494	53	4.2	3.9	21.9	1.9
A06	2	8102	7987	115	155	151	4	1.9	1.8	3.4	1.4
A07	3	23154	22605	549	1135	1100	35	4.9	4.8	6.3	2.3
A09	2	6069	6016	53	66	64	2	1.0	1.0	3.7	0.8
A10	1	51210	50654	556	2703	2655	48	5.2	5.2	8.6	1.0
A12	2	2810	2676	134	78	69	9	2.7	2.5	6.7	4.7
A13	2	6778	6726	52	240	236	4	3.5	3.5	7.6	0.7
A14	3	39821	39486	335	2146	2131	15	5.3	5.4	4.4	0.8
A15	2	112210	107446	4764	1487	1446	41	1.3	1.3	0.8	4.2
A16	2	40515	39532	983	1033	997	36	2.5	2.5	3.6	2.4
A18	2	7543	7378	165	74	68	6	0.9	0.9	3.6	2.1
A19	3	18743	18533	210	363	354	9	1.9	1.9	4.2	1.1
A20	2	16547	16281	266	400	383	17	2.4	2.3	6.3	1.6
A21	2	24978	24553	425	681	662	19	2.7	2.7	4.4	1.7
A22	2	25542	24842	700	938	919	19	3.6	3.7	2.7	2.7
A24	2	31437	30882	555	695	670	25	2.2	2.1	4.5	1.7
A25	3	87070	85594	1476	4770	4527	243	5.4	5.2	16.4	1.7
A26	2	1882	1854	28	84	83	1	4.4	4.4	3.5	1.4
A27	2	1980	1942	38	35	33	2	1.7	1.7	5.2	1.9
A28	2	37431	37172	259	1587	1567	20	4.2	4.2	7.7	0.6
A29	2	15641	15452	189	140	132	8	0.9	0.8	4.2	1.2
A32	2	3409	3307	102	78	70	8	2.2	2.1	7.8	2.9
A33	3	64565	63072	1493	4119	3693	426	6.3	5.8	28.5	2.3
A34	2	4469	4410	59	71	64	7	1.5	1.4	11.8	1.3
A35	3	12201	11946	255	396	388	8	3.2	3.2	3.1	2.0
A36	2	916	894	22	18	17	1	1.9	1.9	4.5	2.4
A37	3	10250	10129	121	71	65	6	0.6	0.6	4.9	1.1
A38	3	1560	1547	13	0	0	0	0.0	0.0	0.0	0.8
A39	3	44712	43480	1232	4544	4151	393	10.1	9.5	31.9	2.7

## NACIMIENTOS, MALFORMADOS, NATIMORTOS

PERIODO 1982-2008

HOS	T	T.B	L.B	S.B	M.T.B	M.L.B	M.S.B	%MTB	%MLB	%MSB	%SB
A40	2	1079	1038	41	27	25	2	2.5	2.4	4.8	3.8
A41	2	592	589	3	9	9	0	1.5	1.5	0.0	0.5
A42	2	4252	4166	86	69	66	3	1.6	1.5	3.4	2.0
A43	3	67158	66102	1056	2888	2826	62	4.3	4.2	5.8	1.5
A44	3	10513	10374	139	266	257	9	2.5	2.4	6.4	1.3
A45	1	11197	11064	133	183	159	24	1.6	1.4	18.0	1.1
A46	1	8036	7660	376	707	603	104	8.8	7.8	27.6	4.6
A47	1	16849	16660	189	1911	1909	2	11.3	11.4	1.0	1.1
A49	2	7223	7181	42	363	358	5	5.0	4.9	11.9	0.5
A50	1	17021	16812	209	988	974	14	5.8	5.7	6.7	1.2
A51	1	53591	53238	353	1915	1888	27	3.5	3.5	7.6	0.6
A52	1	3201	3171	30	31	29	2	0.9	0.9	6.6	0.9
A53	1	2611	2605	6	22	22	0	0.8	0.8	0.0	0.2
A55	1	469	460	9	7	7	0	1.4	1.5	0.0	1.9
A56	1	52079	51067	1012	2910	2828	82	5.5	5.5	8.1	1.9
A57	1	969	964	5	11	11	0	1.1	1.1	0.0	0.5
A58	1	397	391	6	16	15	1	4.0	3.8	16.6	1.5
A59	1	6088	5995	93	224	217	7	3.6	3.6	7.5	1.5
A60	1	10745	10562	183	639	619	20	5.9	5.8	10.9	1.7
A61	1	450	447	3	67	67	0	14.8	14.9	0.0	0.6
A62	1	9808	9737	71	458	452	6	4.6	4.6	8.4	0.7
B01	1	93143	89970	3173	1927	1715	212	2.0	1.9	6.6	3.4
B02	2	1341	1291	50	0	0	0	0.0	0.0	0.0	3.7
B04	2	2493	2471	22	22	20	2	0.8	0.8	9.0	0.8
B07	3	19247	19001	246	432	424	8	2.2	2.2	3.2	1.2
B08	3	12620	12331	289	268	255	13	2.1	2.0	4.5	2.2
B10	1	32063	31510	553	623	592	31	1.9	1.8	5.6	1.7
C02	3	38666	38255	411	481	465	16	1.2	1.2	3.8	1.0
C03	2	34128	33860	268	434	420	14	1.2	1.2	5.2	0.7
D01	3	59394	58093	1301	970	961	9	1.6	1.6	0.6	2.1
D02	2	42934	41574	1360	753	719	34	1.7	1.7	2.5	3.1
D03	1	10780	10517	263	181	171	10	1.6	1.6	3.8	2.4
E01	3	26626	26427	199	911	894	17	3.4	3.3	8.5	0.7
E02	3	25374	24843	531	449	437	12	1.7	1.7	2.2	2.0
E03	2	48727	47957	770	697	668	29	1.4	1.3	3.7	1.5
E04	1	10771	10588	183	162	161	1	1.5	1.5	0.5	1.7
E05	1	3132	3118	14	34	34	0	1.0	1.0	0.0	0.4
E06	1	847	831	16	172	171	1	20.3	20.5	6.2	1.8
E07	1	1322	1307	15	36	36	0	2.7	2.7	0.0	1.1
E08	1	11998	11800	198	242	239	3	2.0	2.0	1.5	1.6
E09	1	15221	15126	95	318	310	8	2.0	2.0	8.4	0.6
E10	1	22584	22172	412	628	618	10	2.7	2.7	2.4	1.8
E11	1	3603	3543	60	150	142	8	4.1	4.0	13.3	1.6
E12	1	8355	8271	84	82	79	3	0.9	0.9	3.5	1.0
F01	1	191757	187265	4492	3783	3631	152	1.9	1.9	3.3	2.3
F02	1	68871	67653	1218	1632	1573	59	2.3	2.3	4.8	1.7
F04	1	8211	8031	180	270	258	12	3.2	3.2	6.6	2.1
F05	1	148916	146262	2654	5472	5340	132	3.6	3.6	4.9	1.7
F07	1	19645	19324	321	414	383	31	2.1	1.9	9.6	1.6
G01	1	12816	12640	176	320	301	19	2.5	2.3	10.8	1.3
G02	2	7145	7039	106	191	189	2	2.6	2.6	1.8	1.4
G03	3	4093	4010	83	41	39	2	1.0	0.9	2.4	2.0
G04	2	1012	1009	3	18	18	0	1.7	1.7	0.0	0.3
G05	2	8470	8361	109	135	129	6	1.5	1.5	5.5	1.2
G06	2	1037	1016	21	18	14	4	1.7	1.3	19.0	2.0
G08	3	16465	16067	398	351	314	37	2.1	1.9	9.3	2.4
G09	2	17051	16951	100	227	222	5	1.3	1.3	5.0	0.5
G11	1	19906	19735	171	765	742	23	3.8	3.7	13.4	0.8
G12	1	9405	9359	46	318	305	13	3.3	3.2	28.2	0.4
G13	1	4084	3994	90	240	230	10	5.8	5.7	11.1	2.2
G14	1	1735	1720	15	66	66	0	3.8	3.8	0.0	0.8
G15	1	3300	3286	14	35	35	0	1.0	1.0	0.0	0.4
G16	1	9615	9570	45	390	383	7	4.0	4.0	15.5	0.4
G17	1	4085	4025	60	69	67	2	1.6	1.6	3.3	1.4
G18	1	1504	1493	11	39	38	1	2.5	2.5	9.0	0.7
G19	1	34381	33366	1015	948	818	130	2.7	2.4	12.8	2.9
G20	1	5911	5801	110	204	197	7	3.4	3.4	6.3	1.8
G21	1	731	726	5	12	12	0	1.6	1.6	0.0	0.6
H01	2	24687	24438	249	575	546	29	2.3	2.2	11.6	1.0
H02	2	10714	10563	151	118	107	11	1.1	1.0	7.2	1.4
H03	2	2602	2579	23	71	69	2	2.7	2.6	8.7	0.8
MON		1772288	1740400	31888	37457	36054	1403	2.1	2.0	4.4	1.8
ECL		3083787	3037472	46315	105197	101087	4110	3.4	3.3	8.8	1.5
TOT		4856075	4777872	78203	142654	137141	5513	2.9	2.8	7.0	1.6

## 55 MALFORMACIONES POR HOSPITAL PERIODO 1982-2008 PARTE I

HOS		ONFALOCEL		GASTROSQ		ANENCEFAL		ESP.BIFID		HIDROCEF	
		N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
101	3	20	1.7	14	1.2	65	5.6	92	7.9	75	6.5-
103	3	7	2.4	3	1.0	29	10.0	15	5.2	13	4.5
105	3	1	1.4	0	0.0	1	1.4	2	2.8	2	2.8
107	2	3	3.5	0	0.0	3	3.5	10	11.7	2	2.3
108	2	1	1.6	0	0.0	1	1.6	4	6.4	1	1.6
109	2	1	1.5	0	0.0	8	12.5	2	3.1	4	6.2
110	3	9	1.6	5	0.8	13	2.3-	28	4.9-	30	5.3-
111	3	0	0.0	0	0.0	2	7.6	1	3.8	0	0.0
112	1	0	0.0	1	3.9	3	11.9	2	7.9	0	0.0
113	1	0	0.0	0	0.0	0	0.0	4	24.5	1	6.1
114	1	1	2.7	1	2.7	1	2.7	2	5.5	1	2.7
115	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
116	1	0	0.0	0	0.0	0	0.0	3	12.1	1	4.0
201	1	34	4.5	11	1.4	42	5.6	70	9.3	82	10.9
203	2	1	2.5	0	0.0	0	0.0	2	5.0	0	0.0
204	2	0	0.0	0	0.0	1	2.9	3	8.7	1	2.9
205	3	13	2.6	4	0.8	34	6.8	54	10.9	49	9.9
206	1	0	0.0	2	8.0	0	0.0	3	12.1	4	16.1
207	2	14	1.8	5	0.6-	54	7.0	43	5.6	20	2.6-
208	2	7	4.7	0	0.0	2	1.3	6	4.0	6	4.0
209	1	0	0.0	1	1.0	4	4.0	8	8.1	6	6.0
210	2	14	2.6	3	0.5	72	13.5+	64	12.0+	31	5.8
211	2	6	3.3	2	1.1	8	4.4	12	6.7	4	2.2-
212	2	1	1.5	0	0.0	5	7.7	6	9.3	2	3.1
213	1	3	2.8	1	0.9	10	9.4	15	14.1	7	6.5
214	1	2	2.0	0	0.0	6	6.2	8	8.2	4	4.1
216	1	0	0.0	0	0.0	3	25.6	1	8.5	1	8.5
217	1	12	2.2	25	4.5+	41	7.5	45	8.2	68	12.4
218	2	0	0.0	2	4.2	2	4.2	2	4.2	1	2.1
219	1	3	1.4	3	1.4	4	1.8	7	3.3	11	5.2
220	1	7	2.3	9	3.0	17	5.7	15	5.0	27	9.0
221	1	10	2.5	7	1.7	17	4.3	25	6.3	36	9.1
222	1	4	2.5	5	3.1	3	1.8	10	6.3	27	17.0+
223	1	16	4.5	2	0.5	14	3.9	14	3.9-	17	4.7
224	1	8	3.3	6	2.4	6	2.4	11	4.5	16	6.6
225	1	13	4.0	8	2.5	6	1.8-	19	5.9	24	7.5
226	1	0	0.0	0	0.0	2	4.7	3	7.1	0	0.0
227	1	3	1.2	3	1.2	4	1.7-	3	1.2-	6	2.5-
301	1	2	5.9	4	11.8+	1	2.9	10	29.7+	8	23.7
302	3	5	6.1	0	0.0	9	11.1	5	6.1	6	7.4
303	1	8	1.8	5	1.1	33	7.7	29	6.7	19	4.4-
308	1	11	2.7	4	1.0	29	7.2	17	4.2-	12	3.0-
318	3	67	4.8+	62	4.4+	205	14.7+	234	16.8+	258	18.5+
319	2	2	1.7	0	0.0	13	11.0	14	11.9	7	5.9
322	3	20	1.8	16	1.5	62	5.8	78	7.3	49	4.6-
323	2	2	2.8	0	0.0	5	7.1	5	7.1	2	2.8
324	3	2	3.3	5	8.3	5	8.3	6	9.9	4	6.6
325	3	6	1.8	4	1.2	32	9.9	23	7.1	21	6.4
326	3	2	2.3	3	3.5	4	4.7	3	3.5	2	2.3
327	2	1	4.4	0	0.0	1	4.4	1	4.4	2	8.8
329	2	1	2.5	0	0.0	5	12.5	5	12.5	3	7.5
330	1	8	6.6	2	1.6	5	4.1	33	27.3+	20	16.6
331	1	1	6.6	2	13.2	1	6.6	2	13.2	3	19.8
332	1	3	2.0	2	1.3	16	11.0	8	5.5	4	2.7
333	1	2	1.4	1	0.7	1	0.7	2	1.4-	8	5.9
334	1	0	0.0	0	0.0	3	5.8	2	3.8	1	1.9
335	1	1	1.6	0	0.0	2	3.2	1	1.6	2	3.2
336	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
337	1	0	0.0	0	0.0	0	0.0	0	0.0	4	14.7
403	1	5	2.0	3	1.2	26	10.8	17	7.1	18	7.5
404	2	0	0.0	0	0.0	6	7.5	6	7.5	4	5.0
406	3	2	2.2	0	0.0	5	5.6	4	4.5	5	5.6
407	3	16	1.9	16	1.9	53	6.3	67	7.9	62	7.3
408	3	7	2.4	1	0.3	27	9.4	18	6.3	10	3.5-
409	2	0	0.0	0	0.0	2	17.1	2	17.1	0	0.0
411	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
412	3	1	1.0	3	3.2	5	5.3	7	7.5	1	1.0
413	3	13	1.4	21	2.3	54	6.0	67	7.4	134	14.8+
414	3	7	2.0	2	0.5	27	7.7	19	5.4	24	6.8
415	1	1	2.0	3	6.0	1	2.0	6	12.0	9	18.0
416	1	4	3.6	2	1.8	6	5.4	15	13.7	12	10.9
417	1	2	3.8	0	0.0	0	0.0	5	9.5	0	0.0
418	1	2	1.2	15	9.3+	2	1.2	12	7.4	16	9.9
420	1	0	0.0	0	0.0	0	0.0	3	37.7	2	25.1
421	1	2	8.1	0	0.0	0	0.0	1	4.0	1	4.0



## PARTE I (CONTINUACION)

HOS	ONFALOCEL		GASTROSO		ANENCEFAL		ESP. BIFID		HIDROCEF	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
422	1	0	0	0.0	0	0.0	1	5.1	1	5.1
423	1	0	0	0.0	0	0.0	0	0.0	2	10.4
501	1	30	20	1.7	108	9.3+	115	9.9	110	9.5
502	2	2	0	0.0	4	7.2	8	14.5	3	5.4
503	3	5	4	0.9	23	5.7	34	8.4	16	3.9-
504	2	0	0	0.0	0	0.0	0	0.0	0	0.0
505	1	1	0	0.0	1	3.6	7	25.2+	1	3.6
506	1	1	0	0.0	2	7.5	1	3.7	1	3.7
510	1	17	34	7.3+	32	6.9	55	11.9	67	14.4+
601	3	6	15	4.8	10	3.2	28	8.9	20	6.4
603	2	0	0	0.0	0	0.0	0	0.0	0	0.0
604	2	5	4	1.4	15	5.2	23	8.0	21	7.3
605	1	7	2	0.5	27	7.0	14	3.6-	11	2.8-
607	3	4	1	0.5	12	6.9	9	5.2	11	6.3
608	2	2	2	1.4	2	1.4	8	5.6	5	3.5
609	2	1	0	0.0	0	0.0	5	27.3	0	0.0
610	3	4	1	0.7	8	6.1	7	5.4	11	8.5
611	2	0	0	0.0	0	0.0	0	0.0	0	0.0
612	2	2	0	0.0	0	0.0	0	0.0	0	0.0
613	2	1	0	0.0	0	0.0	2	15.1	0	0.0
614	1	7	4	1.9	9	4.4	22	10.9	12	5.9
615	1	1	0	0.0	0	0.0	0	0.0	1	4.9
616	1	0	0	0.0	0	0.0	1	9.9	0	0.0
617	1	0	0	0.0	0	0.0	0	0.0	1	3.5
703	2	7	2	0.2-	54	7.3	32	4.3-	56	7.6
704	3	18	31	5.8+	18	3.4-	28	5.3	47	8.9
801	2	0	0	0.0	1	5.0	1	5.0	0	0.0
803	3	82	77	2.8	216	7.9	269	9.9	257	9.4
804	2	0	0	0.0	0	0.0	1	12.0	0	0.0
805	3	9	1	0.4	10	4.3	15	6.5	14	6.1
806	2	1	0	0.0	2	2.4	3	3.7	6	7.4
807	2	0	0	0.0	3	13.6	0	0.0	0	0.0
808	3	2	0	0.0	0	0.0	1	1.6	0	0.0
809	1	5	7	6.0+	4	3.4	6	5.1	19	16.3
810	1	4	2	2.9	8	11.6	3	4.3	1	1.4
903	2	0	1	4.7	1	4.7	2	9.5	0	0.0
906	1	0	2	2.5	4	5.0	2	2.5	7	8.7
907	3	2	3	3.9	2	2.6	2	2.6	4	5.2
908	3	2	1	1.4	5	7.4	4	5.9	3	4.4
909	2	2	2	3.8	1	1.9	1	1.9	4	7.7
911	1	1	0	0.0	1	8.4	0	0.0	1	8.4
912	1	0	0	0.0	0	0.0	0	0.0	0	0.0
913	1	0	4	18.6+	1	4.6	2	9.3	7	32.6+
914	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A02	3	11	4	0.9	25	5.7	28	6.4	27	6.2
A04	1	28	43	4.2+	53	5.1	94	9.2	114	11.1
A05	3	22	36	28.2+	31	24.2+	42	32.9+	77	60.3+
A06	2	1	1	1.2	2	2.4	3	3.7	1	1.2
A07	3	16	5	6.9+	19	8.2	35	15.1+	46	19.8+
A09	2	4	1	1.6	0	0.0	3	4.9	4	6.5
A10	1	23	10	1.9	23	4.4	29	5.6	42	8.2
A12	2	1	1	3.5	3	10.6	2	7.1	1	3.5
A13	2	1	0	0.0	3	4.4	6	8.8	2	2.9
A14	3	6	2	0.5	20	5.0	21	5.2	10	2.5-
A15	2	16	5	0.4-	41	3.6-	55	4.9-	64	5.7-
A16	2	10	0	0.0-	33	8.1	27	6.6	12	2.9-
A18	2	2	0	0.0	7	9.2	6	7.9	1	1.3
A19	3	1	2	1.0	4	2.1	6	3.2	18	9.6
A20	2	1	0	0.0	5	3.0	8	4.8	16	9.6
A21	2	9	0	0.0	12	4.8	12	4.8	18	7.2
A22	2	7	1	0.3	26	10.1	14	5.4	18	7.0
A24	2	5	2	0.6	9	2.8	26	8.2	9	2.8-
A25	3	44	57	6.5+	81	9.3+	104	11.9+	139	15.9+
A26	2	0	0	0.0	1	5.3	1	5.3	2	10.6
A27	2	0	0	0.0	1	5.0	1	5.0	0	0.0
A28	2	9	3	0.8	12	3.2	21	5.6	27	7.2
A29	2	1	0	0.0	6	3.8	3	1.9-	3	1.9-
A32	2	1	0	0.0	2	5.8	6	17.6	6	17.6
A33	3	68	69	10.6+	171	26.4+	176	27.2+	301	46.6+
A34	2	0	0	0.0	3	6.7	3	6.7	2	4.4
A35	3	1	2	1.6	8	6.5	8	6.5	7	5.7
A36	2	0	0	0.0	0	0.0	1	10.9	0	0.0
A37	3	1	1	0.9	8	7.8	2	1.9	5	4.8
A38	3	0	0	0.0	0	0.0	0	0.0	0	0.0
A39	3	103	81	18.1+	85	19.0+	163	36.4+	281	62.8+

## PARTE I (CONTINUACION)

HOS	ONFALOC		GASTRO		ANENCEF		ESP. BIFID		HIDROCEF	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
A40	2	0	0	0.0	3	27.8	0	0.0	3	27.8
A41	2	0	0	0.0	2	33.7	0	0.0	1	16.8
A42	2	0	0	0.0	2	4.7	0	0.0	4	9.4
A43	3	17	21	3.1	28	4.1	63	9.3	60	8.9
A44	3	3	6	5.7	5	4.7	8	7.6	12	11.4
A45	1	3	1	0.8	11	9.8	9	8.0	4	3.5
A46	1	25	12	14.9+	41	51.0+	43	53.5+	95	118.2+
A47	1	2	0	0.0	9	5.3	40	23.7+	3	1.7-
A49	2	2	2	2.7	1	1.3	4	5.5	4	5.5
A50	1	6	9	5.2	4	2.3	13	7.6	26	15.2
A51	1	14	10	1.8	22	4.1	24	4.4-	27	5.0-
A52	1	0	0	0.0	3	9.3	2	6.2	1	3.1
A53	1	2	0	0.0	0	0.0	0	0.0	2	7.6
A55	1	0	0	0.0	0	0.0	0	0.0	1	21.3
A56	1	18	15	2.8	53	10.1+	47	9.0	113	21.7+
A57	1	1	0	0.0	0	0.0	2	20.6	0	0.0
A58	1	0	0	0.0	0	0.0	0	0.0	1	25.1
A59	1	3	5	8.2	3	4.9	1	1.6	7	11.5
A60	1	6	9	8.3+	6	5.5	10	9.3	18	16.7
A61	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A62	1	6	7	7.1+	4	4.0	9	9.1	7	7.1
B01	1	35	15	1.6	54	5.8	40	4.2-	47	5.0-
B02	2	0	0	0.0	0	0.0	0	0.0	0	0.0
B04	2	0	0	0.0	0	0.0	0	0.0	1	4.0
B07	3	2	0	0.0	1	0.5-	4	2.0-	2	1.0-
B08	3	2	2	1.5	2	1.5	7	5.5	5	3.9
B10	1	8	3	0.9	14	4.3	14	4.3	21	6.5
C02	3	1	4	1.0	19	4.9	16	4.1-	7	1.8-
C03	2	3	0	0.0-	17	4.9	18	5.2	3	0.8-
D01	3	15	12	2.0	38	6.4	32	5.3	56	9.4
D02	2	14	7	1.6	38	8.8	23	5.3	15	3.4-
D03	1	2	6	5.5	7	6.4	3	2.7	10	9.2
E01	3	5	0	0.0	4	1.5-	8	3.0-	25	9.3
E02	3	7	1	0.3	13	5.1	12	4.7	21	8.2
E03	2	8	9	1.8	31	6.3	23	4.7-	15	3.0-
E04	1	2	0	0.0	3	2.7	2	1.8	4	3.7
E05	1	0	0	0.0	1	3.1	1	3.1	1	3.1
E06	1	0	0	0.0	0	0.0	2	23.6	1	11.8
E07	1	0	0	0.0	0	0.0	0	0.0	0	0.0
E08	1	2	0	0.0	4	3.3	6	5.0	5	4.1
E09	1	5	3	1.9	11	7.2	5	3.2	27	17.7
E10	1	2	2	0.8	4	1.7	9	3.9	7	3.1
E11	1	0	0	0.0	4	11.1	4	11.1	10	27.7
E12	1	0	0	0.0	1	1.2	4	4.7	1	1.2
F01	1	44	28	1.4	109	5.6	231	12.0	165	8.6
F02	1	20	11	1.6	35	5.0	88	12.7	58	8.4
F04	1	1	0	0.0	7	8.5	7	8.5	6	7.3
F05	1	21	41	2.7	75	5.0	120	8.0	103	6.9
F07	1	4	3	1.5	11	5.6	18	9.1	5	2.5
G01	1	4	0	0.0	3	2.3	6	4.6	1	0.7
G02	2	0	1	1.4	1	1.4	3	4.2	3	4.2
G03	3	0	1	2.4	2	4.8	0	0.0	1	2.4
G04	2	0	0	0.0	0	0.0	0	0.0	0	0.0
G05	2	4	1	1.1	6	7.0	3	3.5	4	4.7
G06	2	1	0	0.0	0	0.0	0	0.0	0	0.0
G08	3	3	3	1.8	21	12.7	7	4.2	11	6.6
G09	2	1	0	0.0	4	2.3	11	6.4	8	4.6
G11	1	4	7	3.5	3	1.5	16	8.0	22	11.0
G12	1	1	0	0.0	3	3.1	6	6.3	4	4.2
G13	1	3	3	7.3	2	4.9	3	7.3	11	26.9
G14	1	1	0	0.0	0	0.0	0	0.0	0	0.0
G15	1	0	0	0.0	0	0.0	0	0.0	0	0.0
G16	1	1	6	6.2	2	2.0	5	5.2	9	9.3
G17	1	2	0	0.0	2	4.9	0	0.0	10	24.4
G18	1	2	1	6.6	0	0.0	1	6.6	0	0.0
G19	1	22	31	9.0	29	8.4	29	8.4	64	18.6
G20	1	2	4	6.7	2	3.3	7	11.8	15	25.3
G21	1	0	0	0.0	0	0.0	0	0.0	0	0.0
H01	2	13	0	0.0	15	6.0	20	8.1	31	12.5
H02	2	1	0	0.0	6	5.6	7	6.5	2	1.8
H03	2	0	0	0.0	4	15.3	4	15.3	2	7.6
MON		390	135	0.7	1133	6.3	1177	6.6	1033	5.8
ECL		1031	1012	3.2	2083	6.7	2884	9.3	3463	11.2
TOT		1421	1147	2.3	3216	6.6	4061	8.3	4496	9.2

## 55 MALFORMACIONES POR HOSPITAL

PERIODO 1982-2008

PARTE II

HOS	CEFALOCEL		MICROCEF		MICROFTAL		MICROTIA		DEFCONOTR		
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	
101	3	32	2.7	32	2.7	7	0.6-	24	2.0-	45	3.9
103	3	9	3.1	5	1.7	2	0.7	6	2.0	8	2.7
105	3	0	0.0	1	1.4	1	1.4	2	2.8	3	4.3
107	2	0	0.0	1	1.1	0	0.0	5	5.8	7	8.2
108	2	0	0.0	3	4.8	0	0.0	4	6.4	1	1.6
109	2	0	0.0	1	1.5	1	1.5	0	0.0	0	0.0
110	3	3	0.5	6	1.0	7	1.2	8	1.4-	61	10.8+
111	3	0	0.0	0	0.0	0	0.0	1	3.8	0	0.0
112	1	0	0.0	0	0.0	0	0.0	0	0.0	3	11.9
113	1	1	6.1	0	0.0	0	0.0	1	6.1	3	18.4
114	1	0	0.0	0	0.0	0	0.0	0	0.0	2	5.5
115	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
116	1	0	0.0	1	4.0	0	0.0	0	0.0	4	16.1
201	1	22	2.9	55	7.3+	20	2.6	51	6.8	45	6.0
203	2	1	2.5	0	0.0	1	2.5	1	2.5	1	2.5
204	2	1	2.9	1	2.9	0	0.0	0	0.0	0	0.0
205	3	14	2.8	8	1.6	5	1.0	25	5.0	15	3.0
206	1	1	4.0	3	12.1	1	4.0	1	4.0	5	20.1+
207	2	9	1.1	9	1.1-	4	0.5-	31	4.0	28	3.6
208	2	2	1.3	3	2.0	0	0.0	7	4.7	5	3.3
209	1	3	3.0	1	1.0	1	1.0	5	5.0	8	8.1
210	2	8	1.5	9	1.6	8	1.5	26	4.8	15	2.8
211	2	4	2.2	1	0.5	5	2.7	5	2.7	13	7.2
212	2	0	0.0	0	0.0	2	3.1	3	4.6	4	6.2
213	1	1	0.9	6	5.6	3	2.8	11	10.3	7	6.5
214	1	2	2.0	2	2.0	1	1.0	7	7.2	9	9.2+
216	1	0	0.0	1	8.5	0	0.0	0	0.0	0	0.0
217	1	12	2.2	64	11.7+	11	2.0	45	8.2+	28	5.1
218	2	1	2.1	1	2.1	1	2.1	5	10.4	2	4.2
219	1	2	0.9	14	6.6+	9	4.2	13	6.1	13	6.1
220	1	6	2.0	9	3.0	11	3.7	23	7.7	23	7.7+
221	1	10	2.5	9	2.2	12	3.0	26	6.5	44	11.1+
222	1	4	2.5	36	22.6+	1	0.6	16	10.0+	33	20.8+
223	1	3	0.8	19	5.3	11	3.1	9	2.5	26	7.3+
224	1	4	1.6	6	2.4	4	1.6	20	8.2	15	6.2
225	1	7	2.2	4	1.2	1	0.3	9	2.8	16	5.0
226	1	1	2.4	2	4.7	0	0.0	2	4.7	2	4.7
227	1	4	1.7	5	2.1	4	1.7	9	3.8	3	1.2
301	1	3	8.9	0	0.0	0	0.0	1	2.9	5	14.8+
302	3	0	0.0	3	3.7	3	3.7	5	6.1	5	6.1
303	1	5	1.1	16	3.7	7	1.6	24	5.6	25	5.8
308	1	6	1.5	4	1.0	4	1.0	29	7.2	4	1.0-
318	3	68	4.8+	88	6.3+	53	3.8+	105	7.5+	79	5.6+
319	2	2	1.7	0	0.0	0	0.0	5	4.2	12	10.2+
322	3	17	1.6	14	1.3-	9	0.8-	36	3.4	30	2.8
323	2	2	2.8	2	2.8	0	0.0	0	0.0	1	1.4
324	3	0	0.0	4	6.6	0	0.0	3	4.9	4	6.6
325	3	8	2.4	9	2.7	6	1.8	16	4.9	38	11.7+
326	3	1	1.1	2	2.3	0	0.0	0	0.0	1	1.1
327	2	1	4.4	0	0.0	0	0.0	0	0.0	0	0.0
329	2	3	7.5	2	5.0	0	0.0	3	7.5	5	12.5
330	1	6	4.9	5	4.1	3	2.4	3	2.4	17	14.1+
331	1	1	6.6	0	0.0	0	0.0	1	6.6	2	13.2
332	1	3	2.0	1	0.6	6	4.1	7	4.8	15	10.3+
333	1	0	0.0	5	3.6	4	2.9	5	3.6	8	5.9
334	1	1	1.9	0	0.0	0	0.0	1	1.9	1	1.9
335	1	0	0.0	0	0.0	4	6.4	0	0.0	4	6.4
336	1	0	0.0	0	0.0	0	0.0	0	0.0	1	14.1
337	1	1	3.6	2	7.3	0	0.0	0	0.0	4	14.7
403	1	4	1.6	2	0.8	7	2.9	13	5.4	2	0.8
404	2	1	1.2	0	0.0	0	0.0	1	1.2	4	5.0
406	3	0	0.0	2	2.2	1	1.1	3	3.4	6	6.8
407	3	14	1.6	26	3.0	23	2.7	31	3.6	50	5.9
408	3	3	1.0	2	0.7	4	1.4	11	3.8	6	2.1
409	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
411	2	0	0.0	1	5.4	0	0.0	1	5.4	1	5.4
412	3	1	1.0	1	1.0	3	3.2	3	3.2	2	2.1
413	3	23	2.5	60	6.6+	21	2.3	33	3.6	53	5.8+
414	3	7	2.0	6	1.7	12	3.4	10	2.8	15	4.3
415	1	0	0.0	2	4.0	0	0.0	1	2.0	8	16.0+
416	1	3	2.7	1	0.9	4	3.6	4	3.6	7	6.4
417	1	0	0.0	0	0.0	1	1.9	0	0.0	2	3.8
418	1	1	0.6	4	2.4	3	1.8	6	3.7	5	3.1
420	1	0	0.0	0	0.0	0	0.0	0	0.0	1	12.5
421	1	0	0.0	0	0.0	0	0.0	0	0.0	1	4.0

## PARTE II (CONTINUACION)

HOS	CEFALOCEL		MICROCEF		MICROFTAL		MICROTIA		DEFCONOTR	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
422	1	5.1	0	0.0	0	0.0	1	5.1	4	20.7+
423	1	0	0	0.0	0	0.0	0	0.0	0	0.0
501	1	31	47	4.0	21	1.8	76	6.5+	72	6.2+
502	2	0	1	1.8	0	0.0	5	9.0	0	0.0
503	3	7	8	1.9	7	1.7	26	6.4	18	4.4
504	2	0	0	0.0	0	0.0	0	0.0	0	0.0
505	1	1	0	0.0	0	0.0	1	3.6	0	0.0
506	1	0	1	3.7	1	3.7	1	3.7	1	3.7
510	1	15	17	3.6	10	2.1	30	6.4	19	4.1
601	3	8	5	1.6	8	2.5	12	3.8	17	5.4
603	2	0	0	0.0	0	0.0	1	25.5	0	0.0
604	2	4	6	2.1	4	1.4	14	4.9	8	2.8
605	1	8	1	0.2-	2	0.5	7	1.8	3	0.7-
607	3	5	4	2.3	2	1.1	11	6.3	11	6.3
608	2	4	2	1.4	2	1.4	4	2.8	1	0.7
609	2	0	1	5.4	0	0.0	1	5.4	2	10.9
610	3	3	1	0.7	2	1.5	6	4.6	1	0.7
611	2	0	0	0.0	0	0.0	0	0.0	0	0.0
612	2	0	0	0.0	0	0.0	0	0.0	0	0.0
613	2	0	0	0.0	0	0.0	0	0.0	0	0.0
614	1	4	2	0.9	3	1.4	7	3.4	11	5.4
615	1	0	1	4.9	0	0.0	0	0.0	1	4.9
616	1	0	0	0.0	0	0.0	1	9.9	0	0.0
617	1	0	0	0.0	1	3.5	1	3.5	2	7.0
703	2	8	7	0.9-	6	0.8	17	2.3-	6	0.8-
704	3	9	8	1.5	15	2.8	16	3.0	3	0.5-
801	2	0	0	0.0	0	0.0	0	0.0	1	5.0-
803	3	71	100	3.6	72	2.6	120	4.4	86	3.1
804	2	0	0	0.0	0	0.0	0	0.0	0	0.0
805	3	2	2	0.8	4	1.7	15	6.5	1	0.4
806	2	4	3	3.7	2	2.4	1	1.2	0	0.0
807	2	3	0	0.0	3	13.6	1	4.5	1	4.5
808	3	1	1	1.6	0	0.0	3	4.9	0	0.0
809	1	0	2	1.7	2	1.7	4	3.4	7	6.0
810	1	2	0	0.0	0	0.0	1	1.4	0	0.0
903	2	0	0	0.0	0	0.0	0	0.0	0	0.0
906	1	0	1	1.2	0	0.0	6	7.5	6	7.5
907	3	0	6	7.9	2	2.6	6	7.9	4	5.2
908	3	0	2	2.9	3	4.4	2	2.9	2	2.9
909	2	0	2	3.8	2	3.8	2	3.8	3	5.7
911	1	0	0	0.0	0	0.0	0	0.0	0	0.0
913	1	0	0	0.0	2	9.3	2	9.3	3	14.0
914	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A02	3	12	16	3.6	13	2.9	14	3.2	16	3.6
A04	1	14	23	2.2	23	2.2	25	2.4-	62	6.0+
A05	3	13	14	10.1+	5	3.9	2	1.5	7	5.4
A06	2	1	1	1.2	0	0.0	0	0.0	3	3.7
A07	3	9	13	5.6	5	2.1	7	3.0	19	8.2+
A09	2	1	0	0.0	1	1.6	2	3.3	0	0.0
A10	1	7	19	3.7	8	1.5	14	2.7	45	8.7+
A12	2	0	3	10.6	3	10.6	0	0.0	2	7.1
A13	2	0	3	4.4	0	0.0	1	1.4	3	4.4
A14	3	2	8	2.0	5	1.2	5	1.2-	18	4.5
A15	2	22	8	0.7-	22	1.9	13	1.1-	8	0.7-
A16	2	7	27	6.6+	8	1.9	8	1.9	2	0.4-
A18	2	1	2	2.6	1	1.3	0	0.0	0	0.0
A19	3	2	1	0.5	4	2.1	3	1.6	9	4.8
A20	2	2	2	1.2	4	2.4	5	3.0	1	0.6
A21	2	5	7	2.8	3	1.2	5	2.0	11	4.4
A22	2	4	9	3.5	2	0.7	5	1.9	12	4.7
A24	2	5	2	0.6	1	0.3	9	2.8	7	2.2
A25	3	22	38	4.3	25	2.8	43	4.9	38	4.3
A26	2	0	1	5.3	0	0.0	0	0.0	1	5.3
A27	2	1	0	0.0	0	0.0	0	0.0	0	0.0
A28	2	3	12	3.2	6	1.6	15	4.0	20	5.3
A29	2	1	0	0.0	2	1.2	1	0.6	1	0.6
A32	2	3	1	2.9	1	2.9	1	2.9	1	2.9
A33	3	76	74	11.4+	54	8.3+	42	6.5	79	12.2+
A34	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A35	3	2	3	2.4	1	0.8	0	0.0	8	6.5
A36	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A37	3	3	1	0.9	0	0.0	1	0.9	1	0.9
A38	3	0	0	0.0	0	0.0	0	0.0	0	0.0
A39	3	55	39	8.7+	54	12.0+	25	5.5	66	14.7+

## PARTE II (CONTINUACION)

HOS	CEFALOCEL		MICROCEF		MICROFTAL		MICROTIA		DEFCONOTR		
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	
A40	2	0	0.0	1	9.2	0	0.0	1	9.2	0	0.0
A41	2	0	0.0	0	0.0	1	16.8	0	0.0	0	0.0
A42	2	0	0.0	0	0.0	2	4.7	0	0.0	1	2.3
A43	3	12	1.7	11	1.6	13	1.9	27	4.0	24	3.5
A44	3	3	2.8	4	3.8	2	1.9	1	0.9	3	2.8
A45	1	2	1.7	0	0.0	0	0.0	0	0.0	0	0.0
A46	1	30	37.3+	20	24.8+	8	9.9+	9	11.2+	9	11.2+
A47	1	3	1.7	7	4.1	4	2.3	12	7.1	1	0.5
A49	2	0	0.0	1	1.3	1	1.3	3	4.1	6	8.3
A50	1	10	5.8+	6	3.5	7	4.1	6	3.5	11	6.4
A51	1	8	1.4	5	0.9-	6	1.1	4	0.7-	17	3.1
A52	1	1	3.1	0	0.0	0	0.0	0	0.0	1	3.1
A53	1	0	0.0	0	0.0	0	0.0	0	0.0	1	3.8
A55	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A56	1	9	1.7	49	9.4+	43	8.2+	20	3.8	19	3.6
A57	1	1	10.3	0	0.0	0	0.0	1	10.3	0	0.0
A58	1	1	25.1	0	0.0	0	0.0	0	0.0	0	0.0
A59	1	0	0.0	10	16.4+	0	0.0	6	9.8	1	1.6
A60	1	4	3.7	0	0.0	5	4.6	1	0.9	6	5.5
A61	1	0	0.0	1	22.2	0	0.0	1	22.2	1	22.2
A62	1	1	1.0	1	1.0	0	0.0	3	3.0	6	6.1
B01	1	28	3.0	20	2.1	16	1.7	140	15.0+	7	0.7-
B02	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
B04	2	0	0.0	0	0.0	0	0.0	0	0.0	1	4.0
B07	3	1	0.5	2	1.0	0	0.0	30	15.5+	1	0.5
B08	3	2	1.5	0	0.0	0	0.0	25	19.8+	1	0.7
B10	1	7	2.1	9	2.8	5	1.5	39	12.1+	0	0.0-
C02	3	2	0.5	1	0.2-	4	1.0	17	4.4	2	0.5-
C03	2	1	0.2	2	0.5	2	0.5	4	1.1-	0	0.0-
D01	3	7	1.1	14	2.3	9	1.5	16	2.6	10	1.6-
D02	2	7	1.6	3	0.7-	3	0.7	17	3.9	2	0.4-
D03	1	4	3.7	1	0.9	0	0.0	5	4.6	4	3.7
E01	3	3	1.1	9	3.3	7	2.6	64	24.0+	13	4.8
E02	3	3	1.1	8	3.1	6	2.3	25	9.8+	3	1.1
E03	2	3	0.6	2	0.4-	8	1.6	19	3.9	0	0.0-
E04	1	1	0.9	1	0.9	1	0.9	4	3.7	0	0.0
E05	1	0	0.0	0	0.0	0	0.0	1	3.1	0	0.0
E06	1	0	0.0	5	59.0	0	0.0	10	118.0	1	11.8
E07	1	1	7.5	2	15.1	0	0.0	0	0.0	0	0.0
E08	1	1	0.8	3	2.5	2	1.6	7	5.8	0	0.0
E09	1	3	1.9	4	2.6	3	1.9	12	7.8	1	0.6
E10	1	2	0.8	3	1.3	0	0.0	22	9.7	0	0.0
E11	1	1	2.7	3	8.3	3	8.3	10	27.7	1	2.7
E12	1	0	0.0	1	1.2	2	2.3	6	7.1	1	1.2
F01	1	28	1.4	40	2.0	38	1.9	68	3.5	18	0.9
F02	1	15	2.1	13	1.8	9	1.3	30	4.3	18	2.6
F04	1	2	2.4	2	2.4	2	2.4	6	7.3	1	1.2
F05	1	24	1.6	63	4.2	22	1.4	64	4.3	9	0.6
F07	1	3	1.5	2	1.0	1	0.5	7	3.5	2	1.0
G01	1	0	0.0	0	0.0	1	0.7	16	12.4	4	3.1
G02	2	0	0.0	3	4.2	3	4.2	8	11.2	0	0.0
G03	3	0	0.0	2	4.8	0	0.0	0	0.0	0	0.0
G04	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
G05	2	2	2.3	1	1.1	1	1.1	6	7.0	5	5.9
G06	2	0	0.0	0	0.0	0	0.0	1	9.6	0	0.0
G08	3	2	1.2	4	2.4	4	2.4	11	6.6	1	0.6
G09	2	2	1.1	5	2.9	0	0.0	9	5.2	2	1.1
G11	1	3	1.5	21	10.5	6	3.0	23	11.5	9	4.5
G12	1	0	0.0	3	3.1	2	2.1	7	7.4	3	3.1
G13	1	2	4.9	1	2.4	0	0.0	4	9.7	2	4.9
G14	1	0	0.0	0	0.0	0	0.0	1	5.7	0	0.0
G15	1	1	3.0	0	0.0	0	0.0	1	3.0	0	0.0
G16	1	3	3.1	6	6.2	2	2.0	10	10.4	3	3.1
G17	1	1	2.4	2	4.9	1	2.4	3	7.3	1	2.4
G18	1	0	0.0	0	0.0	0	0.0	0	0.0	2	13.3
G19	1	19	5.5	7	2.0	5	1.4	16	4.6	9	2.6
G20	1	1	1.6	0	0.0	1	1.6	2	3.3	0	0.0
G21	1	0	0.0	0	0.0	0	0.0	0	0.0	1	13.6
H01	2	3	1.2	7	2.8	11	4.4	10	4.0	11	4.4
H02	2	2	1.8	4	3.7	1	0.9	3	2.8	0	0.0
H03	2	1	3.8	0	0.0	1	3.8	5	19.2	0	0.0
MON		297	1.6	359	2.0	275	1.5	626	3.5	483	2.7
ECL		798	2.5	1177	3.8	741	2.4	1666	5.4	1430	4.6
TOT		1095	2.2	1536	3.1	1016	2.0	2292	4.7	1913	3.9

55 MALFORMACIONES POR HOSPITAL PERIODO 1982-2008 PARTE III											
HOS		DEFSEPTAL		HIPOCORIZ		PDA		CARDIOTR		CARDIONE	
		N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
101	3	104	9.0	9	0.7	15	1.3	47	4.0	43	3.7
103	3	6	2.0-	0	0.0	2	0.7	8	2.7	1	0.3
105	3	1	1.4	0	0.0	0	0.0	2	2.8	2	2.8
107	2	12	14.0	1	1.1	4	4.6	4	4.6	6	7.0
108	2	0	0.0	0	0.0	0	0.0	0	0.0	3	4.8
109	2	1	1.5	0	0.0	0	0.0	1	1.5	2	3.1
110	3	131	23.2+	8	1.4	7	1.2	23	4.0	9	1.6
111	3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
112	1	4	15.8	0	0.0	0	0.0	0	0.0	1	3.9
113	1	12	73.6+	0	0.0	0	0.0	0	0.0	0	0.0
114	1	4	11.0	0	0.0	0	0.0	3	8.2	0	0.0
115	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
116	1	10	40.3+	0	0.0	2	8.0	1	4.0	0	0.0
201	1	201	26.8+	14	1.8+	35	4.6+	97	12.9+	209	27.8+
203	2	1	2.5	1	2.5	0	0.0	0	0.0	0	0.0
204	2	4	11.7	0	0.0	0	0.0	0	0.0	4	11.7
205	3	41	8.2	7	1.4	4	0.8	11	2.2-	33	6.6+
206	1	11	44.4+	0	0.0	2	8.0	2	8.0	0	0.0
207	2	66	8.6	5	0.6	16	2.0	24	3.1	1	0.1-
208	2	10	6.7	5	3.3+	2	1.3	5	3.3	3	2.0
209	1	15	15.2	1	1.0	2	2.0	4	4.0	2	2.0
210	2	18	3.3-	2	0.3	2	0.3	23	4.3	9	1.6
211	2	31	17.3	2	1.1	2	1.1	13	7.2	0	0.0
212	2	4	6.2	4	6.2+	0	0.0	3	4.6	0	0.0
213	1	28	26.3+	3	2.8	1	0.9	10	9.4	2	1.8
214	1	42	43.3+	0	0.0	1	1.0	11	11.3+	2	2.0
216	1	3	25.6	0	0.0	0	0.0	3	25.6	0	0.0
217	1	96	17.6+	4	0.7	27	4.9+	131	24.0+	34	6.2+
218	2	4	8.3	0	0.0	1	2.1	4	8.3	2	4.2
219	1	122	57.6+	1	0.4	4	1.8	15	7.0	23	10.8+
220	1	118	39.6+	4	1.3	31	10.4+	17	5.7	2	0.6
221	1	209	52.9+	11	2.7+	22	5.5+	33	8.3	0	0.0-
222	1	47	29.6+	3	1.8	4	2.5	23	14.5+	3	1.8
223	1	122	34.4+	10	2.8+	13	3.6+	15	4.2	1	0.2-
224	1	65	26.8+	5	2.0	3	1.2	20	8.2	4	1.6
225	1	36	11.3	3	0.9	7	2.2	15	4.7	4	1.2
226	1	5	11.9	0	0.0	1	2.4	5	11.9	2	4.7
227	1	5	2.1-	1	0.4	0	0.0	1	0.4-	1	0.4
301	1	4	11.8	0	0.0	0	0.0	2	5.9	0	0.0
302	3	3	3.7	0	0.0	1	1.2	5	6.1	9	11.1+
303	1	34	7.9	2	0.4	0	0.0	14	3.2	29	6.7+
308	1	6	1.5-	0	0.0	0	0.0	5	1.2-	4	1.0
318	3	284	20.4+	22	1.5+	34	2.4+	93	6.6	19	1.3-
319	2	53	45.2+	2	1.7	1	0.8	10	8.5	6	5.1
322	3	145	13.6	8	0.7	6	0.5	33	3.1-	15	1.4-
323	2	4	5.7	0	0.0	0	0.0	2	2.8	3	4.2
324	3	13	21.5	4	6.6+	0	0.0	5	8.3	1	1.6
325	3	85	26.2+	5	1.5	9	2.7	26	8.0	34	10.5+
326	3	1	1.1	2	2.3	0	0.0	2	2.3	4	4.7
327	2	0	0.0	0	0.0	0	0.0	1	4.4	3	13.2
329	2	32	80.4+	0	0.0	2	5.0	2	5.0	1	2.5
330	1	38	31.5+	5	4.1+	1	0.8	13	10.7	3	2.4
331	1	0	0.0	1	6.6	0	0.0	0	0.0	0	0.0
332	1	35	24.1+	2	1.3	5	3.4	30	20.7+	19	13.1+
333	1	18	13.2	5	3.6+	3	2.2	10	7.3	0	0.0
334	1	1	1.9	0	0.0	1	1.9	2	3.8	0	0.0
335	1	45	73.0+	2	3.2	0	0.0	6	9.7	0	0.0
336	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
337	1	5	18.4	0	0.0	0	0.0	1	3.6	0	0.0
403	1	30	12.5	1	0.4	4	1.6	7	2.9	16	6.6+
404	2	2	2.5	0	0.0	1	1.2	3	3.7	2	2.5
406	3	17	19.3	2	2.2	3	3.4	8	9.1	0	0.0
407	3	103	12.2	6	0.7	14	1.6	39	4.6	34	4.0
408	3	14	4.9-	2	0.7	1	0.3	5	1.7	11	3.8
409	2	1	8.5	0	0.0	0	0.0	0	0.0	0	0.0
411	2	7	38.3+	1	5.4	0	0.0	0	0.0	0	0.0
412	3	0	0.0-	0	0.0	0	0.0	1	1.0	5	5.3
413	3	209	23.2+	14	1.5	17	1.8	135	15.0+	55	6.1+
414	3	26	7.4	0	0.0	2	0.5	15	4.3	20	5.7
415	1	22	44.2+	1	2.0	4	8.0+	2	4.0	1	2.0
416	1	20	18.3	3	2.7	0	0.0	19	17.3+	0	0.0
417	1	15	28.7+	3	5.7+	1	1.9	2	3.8	0	0.0
418	1	33	20.5+	3	1.8	4	2.4	29	18.0+	0	0.0
420	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
421	1	6	24.4	0	0.0	2	8.1	2	8.1	0	0.0

## PARTE III (CONTINUACION)

HOS	DEFSEPTAL		HIPOCORIZ		PDA		CARDIOTR		CARDIONE		
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	
422	1	2	10.3	0	0.0	0	0.0	0	0.0	0	0.0
423	1	1	5.2	0	0.0	0	0.0	0	0.0	0	0.0
501	1	93	8.0-	14	1.2	9	0.7	82	7.1+	29	2.5
502	2	5	9.0	0	0.0	0	0.0	1	1.8	2	3.6
503	3	41	10.1	4	0.9	3	0.7	12	2.9	13	3.2
504	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
505	1	0	0.0	1	3.6	0	0.0	1	3.6	2	7.2
506	1	1	3.7	0	0.0	0	0.0	3	11.3	0	0.0
510	1	22	4.7-	4	0.8	1	0.2	42	9.0+	4	0.8-
601	3	40	12.8	3	0.9	2	0.6	18	5.7	8	2.5
603	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
604	2	17	5.9	4	1.4	3	1.0	10	3.5	17	5.9
605	1	4	1.0-	1	0.2	0	0.0	1	0.2-	4	1.0
607	3	40	23.1+	1	0.5	0	0.0	3	1.7	8	4.6
608	2	7	4.9	1	0.7	0	0.0	5	3.5	8	5.6
609	2	0	0.0	0	0.0	0	0.0	1	5.4	0	0.0
610	3	6	4.6	1	0.7	1	0.7	3	2.3	13	10.0+
611	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
612	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
613	2	0	0.0	0	0.0	0	0.0	0	0.0	1	7.5
614	1	35	17.3	5	2.4	5	2.4	15	7.4	0	0.0
615	1	1	4.9	0	0.0	1	4.9	1	4.9	0	0.0
616	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
617	1	4	14.0	0	0.0	1	3.5	1	3.5	0	0.0
703	2	13	1.7-	1	0.1	0	0.0-	1	0.1-	15	2.0
704	3	23	4.3-	2	0.3	2	0.3	9	1.7-	9	1.7
801	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
803	3	306	11.2	6	0.2-	33	1.2	155	5.7	65	2.4-
804	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
805	3	2	0.8-	0	0.0	0	0.0	6	2.6	4	1.7
806	2	2	2.4	0	0.0	1	1.2	1	1.2	0	0.0
807	2	1	4.5	0	0.0	0	0.0	0	0.0	2	9.0
808	3	3	4.9	0	0.0	0	0.0	0	0.0	2	3.3
809	1	24	20.7+	0	0.0	0	0.0	6	5.1	0	0.0
810	1	0	0.0	1	1.4	0	0.0	0	0.0	0	0.0
903	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
906	1	42	52.5+	0	0.0	4	5.0	9	11.2	14	17.5+
907	3	6	7.9	0	0.0	0	0.0	3	3.9	9	11.8+
908	3	5	7.4	1	1.4	0	0.0	0	0.0	0	0.0
909	2	22	42.3+	1	1.9	1	1.9	5	9.6	5	9.6
911	1	0	0.0	0	0.0	0	0.0	0	0.0	1	8.4
913	1	13	60.6+	0	0.0	0	0.0	3	14.0	0	0.0
914	1	1	40.0	0	0.0	0	0.0	0	0.0	0	0.0
A02	3	30	6.8-	5	1.1	7	1.6	29	6.6	31	7.1+
A04	1	137	13.4	20	1.9+	10	0.9	54	5.2	49	4.8
A05	3	31	24.2+	2	1.5	14	10.9+	37	29.0+	8	6.2
A06	2	1	1.2	0	0.0	0	0.0	2	2.4	1	1.2
A07	3	53	22.8+	5	2.1	12	5.1+	19	8.2	25	10.8+
A09	2	2	3.3	0	0.0	0	0.0	0	0.0	1	1.6
A10	1	132	25.7+	2	0.3	16	3.1+	44	8.5+	48	9.3+
A12	2	5	17.7	1	3.5	1	3.5	0	0.0	0	0.0
A13	2	6	8.8	0	0.0	3	4.4	2	2.9	1	1.4
A14	3	77	19.3+	0	0.0	12	3.0	16	4.0	28	7.0+
A15	2	6	0.5-	0	0.0-	6	0.5	19	1.6-	3	0.2-
A16	2	2	0.4-	0	0.0	0	0.0	2	0.4-	4	0.9
A18	2	0	0.0-	0	0.0	0	0.0	0	0.0	3	3.9
A19	3	6	3.2-	0	0.0	1	0.5	4	2.1	10	5.3
A20	2	1	0.6-	0	0.0	0	0.0	0	0.0-	1	0.6
A21	2	39	15.6	0	0.0	7	2.8	17	6.8	4	1.6
A22	2	60	23.4+	1	0.3	14	5.4+	7	2.7	37	14.4+
A24	2	4	1.2-	0	0.0	0	0.0	1	0.3-	4	1.2
A25	3	108	12.4	8	0.9	8	0.9	62	7.1	31	3.5
A26	2	2	10.6	1	5.3	0	0.0	0	0.0	3	15.9
A27	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A28	2	68	18.1+	10	2.6+	22	5.8+	27	7.2	17	4.5
A29	2	4	2.5-	0	0.0	0	0.0	1	0.6	1	0.6
A32	2	1	2.9	0	0.0	1	2.9	0	0.0	1	2.9
A33	3	203	31.4+	15	2.3+	5	0.7	114	17.6+	14	2.1
A34	2	0	0.0	0	0.0	0	0.0	0	0.0	2	4.4
A35	3	31	25.4+	0	0.0	5	4.1	7	5.7	5	4.1
A36	2	0	0.0	0	0.0	0	0.0	1	10.9	0	0.0
A37	3	4	3.9	0	0.0	0	0.0	0	0.0	2	1.9
A38	3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A39	3	259	57.9+	20	4.4+	35	7.8+	106	23.7+	27	6.0+

## PARTE III (CONTINUACION)

HOS		DEFSEPTAL		HIPOCORIZ		PDA		CARDIOTR		CARDIONE	
		N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
A40	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A41	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A42	2	3	7.0	0	0.0	0	0.0	1	2.3	1	2.3
A43	3	43	6.4-	7	1.0	4	0.6	24	3.5	10	1.4
A44	3	3	2.8	1	0.9	1	0.9	2	1.9	1	0.9
A45	1	3	2.6	0	0.0	0	0.0	2	1.7	3	2.6
A46	1	19	23.6+	1	1.2	1	1.2	19	23.6+	10	12.4+
A47	1	2	1.1-	0	0.0	0	0.0	1	0.5	6	3.5
A49	2	84	116.3+	1	1.3	10	13.8+	6	8.3	2	2.7
A50	1	35	20.5+	3	1.7	2	1.1	13	7.6	34	19.9+
A51	1	50	9.3	4	0.7	5	0.9	17	3.1	8	1.4
A52	1	1	3.1	0	0.0	0	0.0	0	0.0	0	0.0
A53	1	0	0.0	0	0.0	0	0.0	1	3.8	0	0.0
A55	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A56	1	67	12.8	0	0.0	27	5.1+	81	15.5+	25	4.8
A57	1	2	20.6	0	0.0	0	0.0	0	0.0	0	0.0
A58	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A59	1	1	1.6	0	0.0	0	0.0	1	1.6	3	4.9
A60	1	20	18.6	2	1.8	3	2.7	8	7.4	0	0.0
A61	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A62	1	13	13.2	5	5.1+	3	3.0	9	9.1	0	0.0
B01	1	20	2.1-	0	0.0	5	0.5	9	0.9-	7	0.7-
B02	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
B04	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
B07	3	4	2.0-	0	0.0	0	0.0	3	1.5	1	0.5
B08	3	3	2.3-	0	0.0	0	0.0	0	0.0	0	0.0
B10	1	4	1.2-	0	0.0	0	0.0	3	0.9-	0	0.0-
C02	3	1	0.2-	0	0.0	0	0.0	3	0.7-	10	2.5
C03	2	0	0.0-	0	0.0	0	0.0	1	0.2-	8	2.3
D01	3	24	4.0-	3	0.5	9	1.5	15	2.5-	7	1.1-
D02	2	3	0.7-	1	0.2	4	0.9	5	1.1-	9	2.1
D03	1	12	11.1	0	0.0	2	1.8	4	3.7	2	1.8
E01	3	22	8.2	2	0.7	3	1.1	10	3.7	1	0.3
E02	3	5	1.9-	1	0.3	2	0.7	5	1.9	4	1.5
E03	2	0	0.0-	0	0.0	0	0.0	2	0.4-	4	0.8-
E04	1	0	0.0-	0	0.0	0	0.0	0	0.0	1	0.9
E05	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
E06	1	4	47.2	0	0.0	0	0.0	1	11.8	0	0.0
E07	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
E08	1	1	0.8	0	0.0	0	0.0	1	0.8	13	10.8
E09	1	0	0.0	0	0.0	0	0.0	2	1.3	0	0.0
E10	1	4	1.7	0	0.0	0	0.0	0	0.0	0	0.0
E11	1	2	5.5	0	0.0	0	0.0	3	8.3	0	0.0
E12	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
F01	1	61	3.1	1	0.0	11	0.5	26	1.3	54	2.8
F02	1	31	4.5	3	0.4	7	1.0	34	4.9	3	0.4
F04	1	1	1.2	0	0.0	0	0.0	1	1.2	5	6.0
F05	1	11	0.7	0	0.0	1	0.0	7	0.4	37	2.4
F07	1	1	0.5	0	0.0	0	0.0	1	0.5	3	1.5
G01	1	15	11.7	1	0.7	1	0.7	0	0.0	7	5.4
G02	2	2	2.8	0	0.0	0	0.0	1	1.4	9	12.6
G03	3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
G04	2	1	9.8	0	0.0	0	0.0	0	0.0	0	0.0
G05	2	2	2.3	0	0.0	1	1.1	0	0.0	0	0.0
G06	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
G08	3	2	1.2	0	0.0	0	0.0	1	0.6	3	1.8
G09	2	5	2.9	0	0.0	0	0.0	4	2.3	9	5.2
G11	1	21	10.5	2	1.0	0	0.0	28	14.0	0	0.0
G12	1	4	4.2	0	0.0	1	1.0	3	3.1	0	0.0
G13	1	6	14.6	0	0.0	1	2.4	4	9.7	1	2.4
G14	1	0	0.0	0	0.0	1	5.7	0	0.0	0	0.0
G15	1	1	3.0	0	0.0	0	0.0	0	0.0	0	0.0
G16	1	6	6.2	1	1.0	0	0.0	9	9.3	3	3.1
G17	1	2	4.9	0	0.0	1	2.4	0	0.0	0	0.0
G18	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
G19	1	14	4.0	4	1.1	5	1.4	13	3.7	0	0.0
G20	1	4	6.7	0	0.0	0	0.0	8	13.5	0	0.0
G21	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
H01	2	10	4.0	0	0.0	9	3.6	7	2.8	16	6.4
H02	2	1	0.9	0	0.0	0	0.0	1	0.9	0	0.0
H03	2	2	7.6	0	0.0	0	0.0	1	3.8	4	15.3
MON		1339	7.5	91	0.5	194	1.0	495	2.7	598	3.3
ECL		4276	13.8	294	0.9	499	1.6	1979	6.4	1024	3.3
TOT		5615	11.5	385	0.7	693	1.4	2474	5.0	1622	3.3



55 MALFORMACIONES POR HOSPITAL PERIODO 1982-2008 PARTE IV											
HOS		P.HENDIDO		L.LEPORIN		ATR.ESOF		ATR.DUOD		ATR.YEYU	
		N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
101	3	47	4.0	95	8.2-	41	3.5	11	0.9	4	0.3
103	3	9	3.1	27	9.3	5	1.7	2	0.7	2	0.7
105	3	0	0.0	8	11.5	2	2.8	0	0.0	0	0.0
107	2	2	2.3	15	17.5	2	2.3	1	1.1	0	0.0
108	2	3	4.8	5	8.1	1	1.6	0	0.0	0	0.0
109	2	2	3.1	8	12.5	1	1.5	0	0.0	0	0.0
110	3	30	5.3	35	6.2-	14	2.4	5	0.8	2	0.3
111	3	2	7.6	0	0.0	1	3.8	0	0.0	0	0.0
112	1	0	0.0	1	3.9	0	0.0	0	0.0	0	0.0
113	1	0	0.0	0	0.0	0	0.0	2	12.2	0	0.0
114	1	1	2.7	1	2.7	1	2.7	0	0.0	0	0.0
115	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
116	1	2	8.0	3	12.1	0	0.0	1	4.0	0	0.0
201	1	42	5.6	101	13.4	30	4.0	18	2.4+	8	1.0
203	2	0	0.0	3	7.6	2	5.0	0	0.0	0	0.0
204	2	1	2.9	9	26.3	3	8.7	1	2.9	0	0.0
205	3	13	2.6	82	16.5+	19	3.8	8	1.6	1	0.2
206	1	2	8.0	2	8.0	0	0.0	2	8.0	0	0.0
207	2	45	5.8	68	8.8	19	2.4	8	1.0	6	0.7
208	2	10	6.7	15	10.1	4	2.6	2	1.3	2	1.3
209	1	4	4.0	11	11.1	4	4.0	2	2.0	1	1.0
210	2	14	2.6	57	10.6	25	4.6	6	1.1	2	0.3
211	2	4	2.2	17	9.5	2	1.1	0	0.0	2	1.1
212	2	4	6.2	6	9.3	2	3.1	0	0.0	0	0.0
213	1	9	8.4	18	16.9	3	2.8	3	2.8	1	0.9
214	1	4	4.1	7	7.2	2	2.0	0	0.0	0	0.0
216	1	0	0.0	2	17.1	1	8.5	0	0.0	0	0.0
217	1	47	8.6+	66	12.1	6	1.1	20	3.6+	3	0.5
218	2	2	4.2	10	20.9	2	4.2	0	0.0	0	0.0
219	1	16	7.5	22	10.3	4	1.8	3	1.4	1	0.4
220	1	21	7.0	60	20.1+	12	4.0	9	3.0+	0	0.0
221	1	27	6.8	50	12.6	4	1.0	6	1.5	1	0.2
222	1	10	6.3	27	17.0	7	4.4	5	3.1	0	0.0
223	1	15	4.2	35	9.8	3	0.8	6	1.6	1	0.2
224	1	12	4.9	22	9.0	6	2.4	2	0.8	0	0.0
225	1	15	4.7	22	6.9	8	2.5	10	3.1+	1	0.3
226	1	2	4.7	2	4.7	1	2.4	0	0.0	0	0.0
227	1	10	4.2	13	5.5-	1	0.4	0	0.0	1	0.4
301	1	0	0.0	2	5.9-	1	2.9	0	0.0	0	0.0
302	3	3	3.7	11	13.5	4	4.9	0	0.0	0	0.0
303	1	26	6.0	49	11.4	9	2.1	3	0.7	1	0.2
308	1	15	3.7	40	9.9	11	2.7	3	0.7	1	0.2
318	3	79	5.6+	184	13.2	64	4.6+	20	1.4	8	0.5
319	2	3	2.5	12	10.2	1	0.8	6	5.1+	0	0.0
322	3	32	3.0	106	10.0	27	2.5	6	0.5	3	0.2
323	2	1	1.4	3	4.2	2	2.8	0	0.0	1	1.4
324	3	4	6.6	7	11.6	1	1.6	1	1.6	1	1.6
325	3	16	4.9	47	14.5	5	1.5	8	2.4	4	1.2
326	3	4	4.7	14	16.5	4	4.7	2	2.3	1	1.1
327	2	0	0.0	3	13.2	0	0.0	0	0.0	0	0.0
329	2	2	5.0	3	7.5	0	0.0	0	0.0	0	0.0
330	1	6	4.9	13	10.7	4	3.3	1	0.8	0	0.0
331	1	1	6.6	0	0.0	1	6.6	0	0.0	0	0.0
332	1	3	2.0	31	21.4+	4	2.7	1	0.6	0	0.0
333	1	5	3.6	8	5.9	9	6.6	1	0.7	0	0.0
334	1	2	3.8	2	3.8	5	9.7	2	3.8	0	0.0
335	1	1	1.6	3	4.8	1	1.6	0	0.0	0	0.0
336	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
337	1	0	0.0	3	11.0	0	0.0	0	0.0	0	0.0
403	1	5	2.0	22	9.2	4	1.6	1	0.4	1	0.4
404	2	2	2.5	8	10.0	4	5.0	0	0.0	0	0.0
406	3	6	6.8	9	10.2	2	2.2	0	0.0	0	0.0
407	3	36	4.2	86	10.2	32	3.8	16	1.9	9	1.0
408	3	9	3.1	38	13.3	4	1.4	1	0.3	1	0.3
409	2	0	0.0	2	17.1	0	0.0	0	0.0	0	0.0
411	2	0	0.0	4	21.8	0	0.0	1	5.4	0	0.0
412	3	2	2.1	11	11.8	5	5.3	0	0.0	1	1.0
413	3	45	5.0	114	12.6	30	3.3	9	1.0	9	1.0
414	3	9	2.5	44	12.6	16	4.5	4	1.1	2	0.5
415	1	1	2.0	2	4.0	6	12.0+	0	0.0	1	2.0
416	1	3	2.7	12	10.9	2	1.8	1	0.9	0	0.0
417	1	0	0.0	3	5.7	1	1.9	0	0.0	0	0.0
418	1	8	4.9	17	10.6	6	3.7	2	1.2	0	0.0
420	1	0	0.0	0	0.0	1	12.5	0	0.0	0	0.0
421	1	1	4.0	3	12.2	0	0.0	0	0.0	0	0.0

## PARTE IV (CONTINUACION)

HOS	P. HENDIDO		L. LEPORIN		ATR. ESOF		ATR. DUOD		ATR. YEYU	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
422	1	5.1	3	15.5	0	0.0	0	0.0	0	0.0
423	1	5.2	2	10.4	0	0.0	0	0.0	0	0.0
501	1	51	174	15.0+	51	4.4	16	1.3	13	1.1+
502	2	2	9	16.3	1	1.8	0	0.0	0	0.0
503	3	13	39	9.6	10	2.4	3	0.7	1	0.2
504	2	0	0	0.0	1	13.1	1	13.1	0	0.0
505	1	1	3	10.8	2	7.2	0	0.0	0	0.0
506	1	0	3	11.3	0	0.0	0	0.0	0	0.0
510	1	29	64	13.8	30	6.4+	13	2.8+	2	0.4
601	3	5	46	14.7	9	2.8	6	1.9	1	0.3
603	2	0	1	25.5	0	0.0	0	0.0	0	0.0
604	2	15	41	14.4	6	2.1	2	0.7	2	0.7
605	1	7	53	13.7	7	1.8	0	0.0	0	0.0
607	3	3	19	11.0	6	3.4	2	1.1	3	1.7
608	2	6	7	4.9	10	7.0	1	0.7	0	0.0
609	2	0	0	0.0	0	0.0	1	5.4	1	5.4
610	3	4	17	13.1	4	3.1	1	0.7	0	0.0
611	2	0	3	14.1	1	4.7	1	4.7	0	0.0
612	2	0	0	0.0	0	0.0	0	0.0	0	0.0
613	2	0	1	7.5	0	0.0	0	0.0	0	0.0
614	1	10	28	13.8	5	2.4	3	1.4	2	0.9
615	1	1	0	0.0	3	14.7	0	0.0	0	0.0
616	1	0	1	9.9	2	19.9	0	0.0	0	0.0
617	1	1	5	17.5	1	3.5	0	0.0	0	0.0
703	2	18	60	8.1-	14	1.9	2	0.2	4	0.5
704	3	16	58	11.0	19	3.6	10	1.9	1	0.1
801	2	0	1	5.0	0	0.0	0	0.0	0	0.0
803	3	114	393	14.4+	75	2.7	26	0.9	19	0.7
804	2	0	3	36.2	2	24.1	0	0.0	0	0.0
805	3	6	28	12.2	10	4.3	0	0.0	2	0.8
806	2	1	9	11.1	1	1.2	1	1.2	0	0.0
807	2	0	6	27.2	1	4.5	0	0.0	0	0.0
808	3	2	6	9.9	1	1.6	0	0.0	0	0.0
809	1	9	19	16.3	3	2.5	1	0.8	1	0.8
810	1	2	6	8.7	2	2.9	0	0.0	0	0.0
903	2	0	2	9.5	5	23.8+	1	4.7	0	0.0
906	1	8	10	12.5	5	6.2	1	1.2	0	0.0
907	3	4	18	23.7	2	2.6	1	1.3	1	1.3
908	3	1	8	11.8	1	1.4	1	1.4	0	0.0
909	2	2	7	13.4	0	0.0	2	3.8	1	1.9
911	1	0	3	25.2	0	0.0	0	0.0	0	0.0
913	1	1	2	9.3	1	4.6	0	0.0	0	0.0
914	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A02	3	27	49	11.2	16	3.6	6	1.3	4	0.9
A04	1	48	96	9.4	33	3.2	11	1.0	7	0.6
A05	3	5	27	21.1+	9	7.0+	6	4.7+	0	0.0
A06	2	4	4	4.9	1	1.2	0	0.0	0	0.0
A07	3	10	23	9.9	16	6.9+	4	1.7	0	0.0
A09	2	3	4	6.5	2	3.3	0	0.0	2	3.3
A10	1	21	46	8.9	18	3.5	4	0.7	6	1.1
A12	2	2	0	0.0	1	3.5	2	7.1	1	3.5
A13	2	5	6	8.8	1	1.4	0	0.0	1	1.4
A14	3	14	44	11.0	7	1.7	0	0.0	1	0.2
A15	2	24	129	11.5	36	3.2	9	0.8	9	0.8
A16	2	13	35	8.6	7	1.7	2	0.4	3	0.7
A18	2	0	6	7.9	1	1.3	0	0.0	0	0.0
A19	3	5	13	6.9	2	1.0	2	1.0	0	0.0
A20	2	4	21	12.6	7	4.2	1	0.6	0	0.0
A21	2	12	17	6.8	13	5.2	2	0.8	5	2.0+
A22	2	13	23	9.0	5	1.9	1	0.3	1	0.3
A24	2	7	28	8.9	11	3.5	1	0.3	3	0.9
A25	3	35	124	14.2	29	3.3	16	1.8	2	0.2
A26	2	0	3	15.9	3	15.9	0	0.0	0	0.0
A27	2	0	1	5.0	1	5.0	0	0.0	0	0.0
A28	2	14	24	6.4-	13	3.4	1	0.2	1	0.2
A29	2	2	14	8.9	3	1.9	2	1.2	1	0.6
A32	2	2	2	5.8	0	0.0	0	0.0	0	0.0
A33	3	83	123	19.0+	40	6.2+	22	3.4+	9	1.3+
A34	2	0	7	15.6	1	2.2	1	2.2	0	0.0
A35	3	7	7	5.7	2	1.6	1	0.8	1	0.8
A36	2	1	0	0.0	1	10.9	0	0.0	0	0.0
A37	3	0	3	2.9	0	0.0	0	0.0	0	0.0
A38	3	0	0	0.0	0	0.0	0	0.0	0	0.0
A39	3	50	94	21.0+	64	14.3+	22	4.9+	4	0.8

## PARTE IV (CONTINUACION)

HOS	P. HENDIDO		L. LEPORIN		ATR. ESOF		ATR. DUOD		ATR. YEYU		
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	
A40	2	0	0.0	1	9.2	0	0.0	0	0.0	0	0.0
A41	2	0	0.0	1	16.8	2	33.7	0	0.0	0	0.0
A42	2	2	4.7	3	7.0	0	0.0	0	0.0	0	0.0
A43	3	8	1.1-	80	11.9	12	1.7	5	0.7	4	0.6
A44	3	4	3.8	11	10.4	3	2.8	1	0.9	1	0.9
A45	1	3	2.6	16	14.2	5	4.4	0	0.0	0	0.0
A46	1	10	12.4+	14	17.4	7	8.7+	6	7.4+	0	0.0
A47	1	2	1.1	4	2.3-	1	0.5	0	0.0	0	0.0
A49	2	3	4.1	6	8.3	2	2.7	1	1.3	0	0.0
A50	1	2	1.1	25	14.6	7	4.1	2	1.1	0	0.0
A51	1	21	3.9	60	11.2	12	2.2	2	0.3	0	0.0
A52	1	0	0.0	5	15.6	0	0.0	0	0.0	0	0.0
A53	1	1	3.8	3	11.4	0	0.0	0	0.0	0	0.0
A55	1	0	0.0	1	21.3	0	0.0	0	0.0	0	0.0
A56	1	33	6.3	63	12.1	11	2.1	8	1.5	0	0.0
A57	1	0	0.0	2	20.6	0	0.0	0	0.0	0	0.0
A58	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A59	1	3	4.9	7	11.5	5	8.2	0	0.0	0	0.0
A60	1	8	7.4	9	8.3	7	6.5	4	3.7	0	0.0
A61	1	1	22.2	2	44.4	0	0.0	0	0.0	0	0.0
A62	1	2	2.0	13	13.2	2	2.0	2	2.0	0	0.0
B01	1	30	3.2	240	25.7+	43	4.6	8	0.8	11	1.1+
B02	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
B04	2	0	0.0	3	12.0	0	0.0	0	0.0	0	0.0
B07	3	3	1.5	37	19.2+	7	3.6	1	0.5	0	0.0
B08	3	1	0.7	24	19.0	2	1.5	3	2.3	1	0.7
B10	1	13	4.0	68	21.2+	13	4.0	4	1.2	1	0.3
C02	3	1	0.2-	30	7.7	8	2.0	2	0.5	0	0.0
C03	2	3	0.8-	29	8.5	5	1.4	3	0.8	1	0.2
D01	3	26	4.3	74	12.4	13	2.1	5	0.8	1	0.1
D02	2	12	2.8	49	11.4	7	1.6	3	0.7	4	0.9
D03	1	2	1.8	19	17.6	4	3.7	1	0.9	0	0.0
E01	3	9	3.3	50	18.7+	13	4.8	6	2.2	1	0.3
E02	3	7	2.7	34	13.4	5	1.9	3	1.1	3	1.1
E03	2	18	3.6	55	11.2	6	1.2	2	0.4	0	0.0
E04	1	3	2.7	15	13.9	3	2.7	0	0.0	0	0.0
E05	1	1	3.1	6	19.1	1	3.1	0	0.0	0	0.0
E06	1	2	23.6	10	118.0	0	0.0	0	0.0	0	0.0
E07	1	1	7.5	8	60.5	2	15.1	0	0.0	0	0.0
E08	1	10	8.3	20	16.6	2	1.6	2	1.6	0	0.0
E09	1	7	4.6	19	12.4	5	3.2	1	0.6	0	0.0
E10	1	3	1.3	25	11.0	8	3.5	2	0.8	0	0.0
E11	1	7	19.4	25	69.3	1	2.7	1	2.7	0	0.0
E12	1	2	2.3	12	14.3	0	0.0	0	0.0	0	0.0
F01	1	48	2.5	174	9.0	18	0.9	7	0.3	0	0.0
F02	1	22	3.1	72	10.4	23	3.3	10	1.4	4	0.5
F04	1	2	2.4	5	6.0	0	0.0	0	0.0	0	0.0
F05	1	52	3.4	119	7.9	20	1.3	6	0.4	5	0.3
F07	1	6	3.0	14	7.1	1	0.5	0	0.0	0	0.0
G01	1	4	3.1	10	7.8	1	0.7	1	0.7	0	0.0
G02	2	2	2.8	3	4.2	0	0.0	1	1.4	0	0.0
G03	3	0	0.0	2	4.8	0	0.0	1	2.4	0	0.0
G04	2	1	9.8	0	0.0	0	0.0	0	0.0	0	0.0
G05	2	3	3.5	16	18.8	0	0.0	1	1.1	2	2.3
G06	2	0	0.0	3	28.9	1	9.6	0	0.0	0	0.0
G08	3	3	1.8	23	13.9	1	0.6	0	0.0	1	0.6
G09	2	4	2.3	13	7.6	5	2.9	2	1.1	0	0.0
G11	1	14	7.0	36	18.0	18	9.0	2	1.0	0	0.0
G12	1	4	4.2	8	8.5	7	7.4	0	0.0	1	1.0
G13	1	0	0.0	9	22.0	0	0.0	0	0.0	0	0.0
G14	1	1	5.7	0	0.0	0	0.0	0	0.0	0	0.0
G15	1	5	15.1	2	6.0	1	3.0	0	0.0	0	0.0
G16	1	4	4.1	23	23.9	4	4.1	1	1.0	0	0.0
G17	1	5	12.2	7	17.1	3	7.3	0	0.0	0	0.0
G18	1	0	0.0	1	6.6	2	13.3	2	13.3	0	0.0
G19	1	6	1.7	43	12.5	14	4.0	4	1.1	0	0.0
G20	1	3	5.0	9	15.2	4	6.7	1	1.6	0	0.0
G21	1	0	0.0	2	27.3	0	0.0	0	0.0	0	0.0
H01	2	6	2.4	35	14.1	8	3.2	3	1.2	3	1.2
H02	2	3	2.8	15	14.0	4	3.7	0	0.0	0	0.0
H03	2	1	3.8	3	11.5	4	15.3	1	3.8	0	0.0
MON		591	3.3	1877	10.5	504	2.8	154	0.8	114	0.6
ECL		1376	4.4	3925	12.7	998	3.2	401	1.3	128	0.4
TOT		1967	4.0	5802	11.9	1502	3.0	555	1.1	242	0.5

55 MALFORMACIONES POR HOSPITAL PERIODO 1982-2008 PARTE V											
HOS		ATR. ANAL		MALR. INT		GEN. AMBIG		HIPOSPAD		AGEN. REN	
		N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
101	3	51	4.4	6	0.5	11	0.9	105	9.1	14	1.2
103	3	6	2.0	0	0.0	2	0.7	28	9.7	4	1.3
105	3	2	2.8	0	0.0	0	0.0	1	1.4	1	1.4
107	2	4	4.6	0	0.0	0	0.0	22	25.7+	2	2.3
108	2	0	0.0	1	1.6	0	0.0	12	19.4	1	1.6
109	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
110	3	21	3.7	1	0.1	7	1.2	108	19.2+	15	2.6
111	3	1	3.8	0	0.0	1	3.8	0	0.0	0	0.0
112	1	1	3.9	0	0.0	0	0.0	3	11.9	0	0.0
113	1	0	0.0	0	0.0	1	6.1	3	18.4	0	0.0
114	1	0	0.0	0	0.0	0	0.0	5	13.8	1	2.7
115	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
116	1	1	4.0	0	0.0	0	0.0	9	36.3+	0	0.0
201	1	52	6.9+	10	1.3+	33	4.4+	101	13.4+	20	2.6
203	2	2	5.0	0	0.0	1	2.5	0	0.0	0	0.0
204	2	1	2.9	0	0.0	0	0.0	1	2.9	0	0.0
205	3	26	5.2	5	1.0	10	2.0	22	4.4-	19	3.8+
206	1	4	16.1	0	0.0	1	4.0	3	12.1	1	4.0
207	2	26	3.4	1	0.1	5	0.6	33	4.3-	11	1.4
208	2	6	4.0	0	0.0	3	2.0	16	10.7	4	2.6
209	1	3	3.0	0	0.0	2	2.0	5	5.0	1	1.0
210	2	32	6.0	1	0.1	10	1.8	23	4.3-	6	1.1
211	2	3	1.6	0	0.0	2	1.1	11	6.1	4	2.2
212	2	2	3.1	0	0.0	0	0.0	7	10.9	2	3.1
213	1	4	3.7	1	0.9	1	0.9	15	14.1	6	5.6
214	1	2	2.0	0	0.0	0	0.0	7	7.2	3	3.1
216	1	1	8.5	0	0.0	0	0.0	1	8.5	0	0.0
217	1	30	5.5	0	0.0	16	2.9	79	14.5+	27	4.9+
218	2	2	4.2	0	0.0	1	2.1	3	6.2	1	2.1
219	1	12	5.6	0	0.0	3	1.4	28	13.2	2	0.9
220	1	24	8.0+	1	0.3	6	2.0	13	4.3	5	1.6
221	1	27	6.8	2	0.5	5	1.2	22	5.5	10	2.5
222	1	13	8.1	0	0.0	1	0.6	6	3.7	5	3.1
223	1	14	3.9	4	1.1	3	0.8	21	5.9	7	1.9
224	1	10	4.1	0	0.0	3	1.2	35	14.4+	4	1.6
225	1	18	5.6	0	0.0	11	3.4	36	11.3	4	1.2
226	1	1	2.4	0	0.0	1	2.4	2	4.7	0	0.0
227	1	15	6.3	0	0.0	3	1.2	15	6.3	1	0.4
301	1	3	8.9	0	0.0	0	0.0	0	0.0	2	5.9
302	3	5	6.1	0	0.0	3	3.7	5	6.1	1	1.2
303	1	20	4.6	0	0.0	7	1.6	18	4.2-	2	0.4
308	1	15	3.7	0	0.0	2	0.5	26	6.4	2	0.5
318	3	106	7.6+	7	0.5	31	2.2	69	4.9-	71	5.1+
319	2	1	0.8	0	0.0	1	0.8	7	5.9	0	0.0
322	3	30	2.8	2	0.1	13	1.2	42	3.9-	12	1.1
323	2	4	5.7	0	0.0	3	4.2	2	2.8	0	0.0
324	3	1	1.6	2	3.3	0	0.0	11	18.2	1	1.6
325	3	16	4.9	3	0.9	5	1.5	39	12.0	2	0.6
326	3	1	1.1	0	0.0	0	0.0	4	4.7	1	1.1
327	2	0	0.0	0	0.0	1	4.4	0	0.0	0	0.0
329	2	2	5.0	0	0.0	1	2.5	2	5.0	0	0.0
330	1	9	7.4	1	0.8	4	3.3	14	11.6	6	4.9
331	1	1	6.6	0	0.0	1	6.6	0	0.0	0	0.0
332	1	8	5.5	0	0.0	1	0.6	5	3.4	2	1.3
333	1	4	2.9	1	0.7	2	1.4	9	6.6	4	2.9
334	1	2	3.8	0	0.0	4	7.7	2	3.8	0	0.0
335	1	3	4.8	0	0.0	0	0.0	7	11.3	1	1.6
336	1	0	0.0	0	0.0	0	0.0	0	0.0	1	14.1
337	1	0	0.0	0	0.0	0	0.0	1	3.6	1	3.6
403	1	7	2.9	1	0.4	4	1.6	43	17.9+	1	0.4
404	2	7	8.8	0	0.0	0	0.0	4	5.0	1	1.2
406	3	4	4.5	1	1.1	2	2.2	17	19.3+	3	3.4
407	3	35	4.1	9	1.0+	21	2.5	74	8.8	8	0.9
408	3	9	3.1	0	0.0	7	2.4	10	3.5-	1	0.3
409	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
411	2	1	5.4	1	5.4	0	0.0	1	5.4	0	0.0
412	3	6	6.4	2	2.1	3	3.2	2	2.1	1	1.0
413	3	40	4.4	2	0.2	14	1.5	83	9.2	10	1.1
414	3	20	5.7	0	0.0	8	2.3	32	9.1	3	0.8
415	1	2	4.0	1	2.0	0	0.0	13	26.1+	0	0.0
416	1	2	1.8	2	1.8	0	0.0	14	12.8	4	3.6
417	1	0	0.0	0	0.0	0	0.0	27	51.6+	0	0.0
418	1	4	2.4	0	0.0	2	1.2	15	9.3	6	3.7
420	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
421	1	1	4.0	0	0.0	0	0.0	4	16.3	1	4.0

## PARTE V (CONTINUACION)

HOS	ATR. ANAL		MALR. INT		GEN. AMBIG		HIPOSPAD		AGEN. REN	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
422	1	0	0	0.0	1	5.1	0	0.0	0	0.0
423	1	0	0	0.0	0	0.0	0	0.0	0	0.0
501	1	70	5	0.4	13	1.1	47	4.0-	29	2.5
502	2	4	0	0.0	3	5.4	9	16.3	0	0.0
503	3	13	2	0.5	10	2.4	8	1.9-	5	1.2
504	2	0	0	0.0	0	0.0	0	0.0	0	0.0
505	1	2	0	0.0	0	0.0	2	7.2	0	0.0
506	1	0	0	0.0	0	0.0	1	3.7	1	3.7
510	1	47	1	0.2	9	1.9	13	2.8-	27	5.8+
601	3	13	1	0.3	9	2.8	18	5.7	4	1.2
603	2	0	0	0.0	0	0.0	0	0.0	0	0.0
604	2	12	4	1.4	4	1.4	25	8.7	0	0.0
605	1	4	0	0.0	1	0.2	16	4.1-	1	0.2
607	3	5	1	0.5	3	1.7	22	12.7	0	0.0
608	2	4	0	0.0	2	1.4	13	9.1	1	0.7
609	2	1	0	0.0	1	5.4	2	10.9	0	0.0
610	3	6	1	0.7	2	1.5	13	10.0	0	0.0
611	2	1	0	0.0	0	0.0	1	4.7	0	0.0
612	2	0	0	0.0	0	0.0	0	0.0	0	0.0
613	2	0	0	0.0	0	0.0	0	0.0	0	0.0
614	1	9	2	0.9	2	0.9	8	3.9	4	1.9
615	1	0	1	4.9	0	0.0	0	0.0	0	0.0
616	1	1	0	0.0	0	0.0	0	0.0	0	0.0
617	1	1	0	0.0	1	3.5	2	7.0	1	3.5
703	2	23	0	0.0	10	1.3	17	2.3-	2	0.2-
704	3	33	2	0.3	10	1.9	17	3.2-	18	3.4
801	2	2	0	0.0	0	0.0	0	0.0	0	0.0
803	3	163	6	0.2	49	1.8	118	4.3-	35	1.2
804	2	1	0	0.0	0	0.0	0	0.0	0	0.0
805	3	16	0	0.0	1	0.4	3	1.3-	1	0.4
806	2	2	0	0.0	1	1.2	1	1.2	0	0.0
807	2	1	0	0.0	0	0.0	0	0.0	0	0.0
808	3	3	0	0.0	0	0.0	1	1.6	0	0.0
809	1	10	2	1.7	3	2.5	1	0.8-	0	0.0
810	1	2	0	0.0	1	1.4	0	0.0	0	0.0
903	2	1	0	0.0	0	0.0	2	9.5	0	0.0
906	1	3	2	2.5	3	3.7	6	7.5	4	5.0
907	3	5	0	0.0	1	1.3	3	3.9	0	0.0
908	3	2	0	0.0	0	0.0	0	0.0	0	0.0
909	2	6	5	9.6+	1	1.9	2	3.8	0	0.0
911	1	0	0	0.0	0	0.0	1	8.4	0	0.0
913	1	1	0	0.0	0	0.0	4	18.6	3	14.0+
914	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A02	3	13	5	1.1	10	2.3	77	17.6+	13	2.9
A04	1	20	1	0.1	23	2.2	180	17.6+	10	0.9
A05	3	10	2	1.5	6	4.7	11	8.6	4	3.1
A06	2	2	0	0.0	1	1.2	10	12.3	0	0.0
A07	3	14	2	0.8	14	6.0+	52	22.4+	11	4.7+
A09	2	2	0	0.0	1	1.6	4	6.5	1	1.6
A10	1	12	5	0.9	13	2.5	87	16.9+	10	1.9
A12	2	2	1	3.5	1	3.5	1	3.5	2	7.1
A13	2	1	0	0.0	1	1.4	13	19.1+	0	0.0
A14	3	14	1	0.2	3	0.7	54	13.5+	17	4.2+
A15	2	36	1	0.0	18	1.6	70	6.2-	2	0.1-
A16	2	10	0	0.0	9	2.2	53	13.0+	0	0.0
A18	2	5	0	0.0	0	0.0	2	2.6	1	1.3
A19	3	5	1	0.5	3	1.6	19	10.1	1	0.5
A20	2	7	0	0.0	4	2.4	18	10.8	0	0.0
A21	2	9	0	0.0	4	1.6	46	18.4+	0	0.0
A22	2	14	0	0.0	13	5.0+	52	20.3+	3	1.1
A24	2	10	0	0.0	7	2.2	48	15.2+	1	0.3
A25	3	35	5	0.5	20	2.3	171	19.6+	47	5.4+
A26	2	2	0	0.0	0	0.0	3	15.9	1	5.3
A27	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A28	2	14	0	0.0	7	1.8	113	30.1+	14	3.7+
A29	2	1	0	0.0	0	0.0	6	3.8	0	0.0
A32	2	6	0	0.0	2	5.8	4	11.7	1	2.9
A33	3	60	20	3.1+	50	7.7+	144	22.3+	55	8.5+
A34	2	1	0	0.0	2	4.4	9	20.1+	0	0.0
A35	3	6	0	0.0	3	2.4	14	11.4	5	4.1
A36	2	0	0	0.0	0	0.0	1	10.9	0	0.0
A37	3	3	0	0.0	1	0.9	4	3.9	0	0.0
A38	3	0	0	0.0	0	0.0	0	0.0	0	0.0
A39	3	55	6	1.3+	56	12.5+	126	28.1+	70	15.6+

## PARTE V (CONTINUACION)

HOS	ATR. ANAL		MALR. INT		GEN. AMBIG		HIOSPAD		AGEN. REN		
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	
A40	2	0	0.0	0	0.0	1	9.2	2	18.5	0	0.0
A41	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A42	2	0	0.0	0	0.0	0	0.0	3	7.0	1	2.3
A43	3	24	3.5	2	0.3	14	2.0	106	15.7+	12	1.7
A44	3	1	0.9	1	0.9	1	0.9	11	10.4	1	0.9
A45	1	3	2.6	0	0.0	4	3.5	10	8.9	1	0.8
A46	1	6	7.4	0	0.0	10	12.4+	22	27.3+	11	13.6+
A47	1	4	2.3	0	0.0	8	4.7	33	19.5+	0	0.0
A49	2	1	1.3	0	0.0	1	1.3	15	20.7+	1	1.3
A50	1	8	4.7	0	0.0	4	2.3	40	23.5+	5	2.9
A51	1	10	1.8-	1	0.1	11	2.0	131	24.4+	9	1.6
A52	1	0	0.0	0	0.0	0	0.0	1	3.1	0	0.0
A53	1	1	3.8	0	0.0	0	0.0	0	0.0	0	0.0
A55	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A56	1	13	2.5	0	0.0	19	3.6	124	23.8+	5	0.9
A57	1	0	0.0	0	0.0	0	0.0	2	20.6	0	0.0
A58	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A59	1	6	9.8	0	0.0	1	1.6	10	16.4	6	9.8+
A60	1	4	3.7	0	0.0	5	4.6	27	25.1+	7	6.5+
A61	1	0	0.0	0	0.0	0	0.0	0	0.0	1	22.2
A62	1	3	3.0	1	1.0	2	2.0	20	20.3+	2	2.0
B01	1	98	10.5+	2	0.2	38	4.0+	21	2.2-	4	0.4-
B02	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
B04	2	1	4.0	0	0.0	0	0.0	0	0.0	0	0.0
B07	3	12	6.2	0	0.0	2	1.0	1	0.5-	0	0.0
B08	3	6	4.7	0	0.0	2	1.5	3	2.3	0	0.0
B10	1	21	6.5	0	0.0	3	0.9	3	0.9-	2	0.6
C02	3	19	4.9	0	0.0	1	0.2	6	1.5-	0	0.0
C03	2	14	4.1	1	0.2	1	0.2	8	2.3-	1	0.2
D01	3	19	3.2	5	0.8	13	2.1	22	3.7-	2	0.3
D02	2	14	3.2	1	0.2	10	2.3	22	5.1	0	0.0
D03	1	6	5.5	0	0.0	2	1.8	3	2.7	0	0.0
E01	3	11	4.1	1	0.3	3	1.1	14	5.2	2	0.7
E02	3	14	5.5	3	1.1	4	1.5	9	3.5-	2	0.7
E03	2	15	3.0	0	0.0	2	0.4	8	1.6-	0	0.0-
E04	1	6	5.5	1	0.9	2	1.8	1	0.9	0	0.0
E05	1	1	3.1	0	0.0	1	3.1	0	0.0	0	0.0
E06	1	1	11.8	0	0.0	0	0.0	1	11.8	0	0.0
E07	1	2	15.1	0	0.0	0	0.0	0	0.0	0	0.0
E08	1	9	7.5	0	0.0	2	1.6	3	2.5	0	0.0
E09	1	6	3.9	0	0.0	5	3.2	4	2.6	1	0.6
E10	1	7	3.1	0	0.0	2	0.8	8	3.5	0	0.0
E11	1	3	8.3	0	0.0	2	5.5	3	8.3	0	0.0
E12	1	2	2.3	0	0.0	0	0.0	1	1.2	0	0.0
F01	1	52	2.7	0	0.0	21	1.1	101	5.2	12	0.6
F02	1	29	4.2	0	0.0	23	3.3	70	10.1	3	0.4
F04	1	3	3.6	0	0.0	2	2.4	9	10.9	1	1.2
F05	1	38	2.5	2	0.1	19	1.2	73	4.9	7	0.4
F07	1	10	5.0	0	0.0	3	1.5	17	8.6	3	1.5
G01	1	4	3.1	0	0.0	2	1.5	11	8.5	2	1.5
G02	2	2	2.8	0	0.0	1	1.4	5	7.0	1	1.4
G03	3	1	2.4	0	0.0	0	0.0	1	2.4	0	0.0
G04	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
G05	2	3	3.5	0	0.0	0	0.0	6	7.0	0	0.0
G06	2	1	9.6	0	0.0	1	9.6	3	28.9	1	9.6
G08	3	3	1.8	0	0.0	2	1.2	5	3.0	0	0.0
G09	2	6	3.5	2	1.1	0	0.0	5	2.9	2	1.1
G11	1	10	5.0	1	0.5	7	3.5	23	11.5	6	3.0
G12	1	7	7.4	0	0.0	3	3.1	5	5.3	1	1.0
G13	1	6	14.6	0	0.0	6	14.6	8	19.5	0	0.0
G14	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
G15	1	1	3.0	0	0.0	0	0.0	1	3.0	0	0.0
G16	1	5	5.2	0	0.0	2	2.0	9	9.3	2	2.0
G17	1	3	7.3	0	0.0	0	0.0	1	2.4	2	4.9
G18	1	1	6.6	0	0.0	0	0.0	2	13.3	0	0.0
G19	1	23	6.6	5	1.4	20	5.8	23	6.6	6	1.7
G20	1	4	6.7	0	0.0	1	1.6	4	6.7	2	3.3
G21	1	0	0.0	0	0.0	0	0.0	1	13.6	0	0.0
H01	2	13	5.2	1	0.4	10	4.0	13	5.2	1	0.4
H02	2	4	3.7	0	0.0	7	6.5	3	2.8	1	0.9
H03	2	0	0.0	0	0.0	1	3.8	1	3.8	0	0.0
MON		680	3.8	64	0.3	310	1.7	1390	7.8	178	1.0
ECL		1542	5.0	120	0.3	693	2.2	2885	9.3	685	2.2
TOT		2222	4.5	184	0.3	1003	2.0	4275	8.8	863	1.7

55 MALFORMACIONES POR HOSPITAL PERIODO 1982-2008 PARTE VI											
HOS	RIN	POLIQ	HIDRONEFR	EQUINOVAR	TALOGALVO	POLID.	POS				
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	
101	3	27	2.3	33	2.8-	150	13.0-	21	1.8-	153	13.2-
103	3	4	1.3	5	1.7	46	15.9	14	4.8	18	6.2-
105	3	0	0.0	0	0.0	3	4.3	2	2.8	1	1.4-
107	2	2	2.3	2	2.3	13	15.2	1	1.1	9	10.5
108	2	0	0.0	1	1.6	7	11.3	1	1.6	5	8.1
109	2	0	0.0	0	0.0	11	17.2	0	0.0	4	6.2
110	3	6	1.0	67	11.9+	85	15.1	23	4.0	58	10.3-
111	3	0	0.0	0	0.0	4	15.2	1	3.8	0	0.0
112	1	1	3.9	0	0.0	3	11.9	0	0.0	0	0.0
113	1	0	0.0	0	0.0	2	12.2	0	0.0	4	24.5
114	1	0	0.0	2	5.5	3	8.2	2	5.5	2	5.5
115	1	0	0.0	0	0.0	2	13.3	0	0.0	0	0.0
116	1	0	0.0	1	4.0	6	24.2	2	8.0	2	8.0
201	1	66	8.8+	79	10.5+	242	32.2+	221	29.4+	109	14.5
203	2	0	0.0	0	0.0	6	15.2	1	2.5	4	10.1
204	2	0	0.0	0	0.0	5	14.6	0	0.0	1	2.9
205	3	15	3.0	13	2.6	61	12.3	33	6.6	52	10.5-
206	1	5	20.1+	11	44.4+	6	24.2	0	0.0	8	32.3
207	2	26	3.4	19	2.4-	78	10.1-	3	0.3-	56	7.3-
208	2	5	3.3	6	4.0	14	9.4	4	2.6	15	10.1
209	1	2	2.0	1	1.0	10	10.1	0	0.0	5	5.0-
210	2	8	1.5	8	1.5-	77	14.4	17	3.1-	49	9.1-
211	2	3	1.6	2	1.1	21	11.7	1	0.5-	13	7.2-
212	2	1	1.5	0	0.0	8	12.4	0	0.0	7	10.9
213	1	8	7.5+	6	5.6	7	6.5	0	0.0	25	23.5
214	1	4	4.1	10	10.3	16	16.5	0	0.0	8	8.2
216	1	0	0.0	0	0.0	2	17.1	1	8.5	1	8.5
217	1	28	5.1+	155	28.4+	89	16.3	91	16.7+	68	12.4
218	2	1	2.1	1	2.1	8	16.7	0	0.0	7	14.6
219	1	1	0.4	17	8.0	41	19.3	4	1.8	22	10.3
220	1	12	4.0	9	3.0	35	11.7	5	1.6-	39	13.1
221	1	20	5.0+	166	42.0+	19	4.8-	38	9.6	56	14.1
222	1	8	5.0	12	7.5	22	13.8	21	13.2+	23	14.5
223	1	16	4.5	18	5.0	33	9.3-	20	5.6	30	8.4-
224	1	7	2.8	22	9.0	31	12.8	12	4.9	31	12.8
225	1	11	3.4	21	6.5	36	11.3	6	1.8-	47	14.7
226	1	1	2.4	1	2.4	2	4.7	1	2.4	7	16.7
227	1	1	0.4	4	1.7	9	3.8-	0	0.0-	28	11.8
301	1	5	14.8+	4	11.8	8	23.7	1	2.9	0	0.0
302	3	1	1.2	0	0.0	11	13.5	1	1.2	10	12.3
303	1	3	0.7	4	0.9-	67	15.6	32	7.4	50	11.7
308	1	4	1.0	3	0.7-	74	18.4	15	3.7	72	17.9
318	3	77	5.5+	77	5.5	221	15.9	50	3.6-	180	12.9-
319	2	0	0.0	0	0.0	16	13.6	11	9.3	5	4.2-
322	3	26	2.4	27	2.5-	77	7.2-	11	1.0-	90	8.4-
323	2	3	4.2	0	0.0	9	12.8	5	7.1	4	5.7
324	3	1	1.6	4	6.6	6	9.9	6	9.9	1	1.6-
325	3	5	1.5	15	4.6	18	5.5-	16	4.9	23	7.1-
326	3	0	0.0	0	0.0	10	11.8	2	2.3	8	9.4
327	2	0	0.0	0	0.0	1	4.4	1	4.4	0	0.0
329	2	0	0.0	1	2.5	1	2.5	2	5.0	4	10.0
330	1	7	5.8	23	19.0+	25	20.7	7	5.8	11	9.1
331	1	0	0.0	0	0.0	1	6.6	0	0.0	1	6.6
332	1	2	1.3	2	1.3	33	22.7	14	9.6	14	9.6
333	1	2	1.4	2	1.4	4	2.9-	5	3.6	7	5.1-
334	1	0	0.0	0	0.0	1	1.9	0	0.0	6	11.6
335	1	5	8.1	3	4.8	10	16.2	2	3.2	1	1.6-
336	1	0	0.0	0	0.0	2	28.2	0	0.0	0	0.0
337	1	0	0.0	0	0.0	3	11.0	0	0.0	2	7.3
403	1	3	1.2	2	0.8-	77	32.1+	42	17.5+	30	12.5
404	2	0	0.0	1	1.2	7	8.8	0	0.0	4	5.0
406	3	6	6.8	6	6.8	21	23.9	9	10.2	5	5.6
407	3	16	1.9	25	2.9-	83	9.8-	16	1.9-	68	8.0-
408	3	2	0.7	3	1.0-	19	6.6-	4	1.4-	27	9.4-
409	2	0	0.0	0	0.0	3	25.7	1	8.5	0	0.0
411	2	0	0.0	0	0.0	3	16.4	0	0.0	0	0.0
412	3	0	0.0	0	0.0	11	11.8	7	7.5	5	5.3
413	3	17	1.8	43	4.7	237	26.3+	93	10.3+	106	11.7-
414	3	9	2.5	6	1.7-	40	11.4	8	2.3-	43	12.3
415	1	2	4.0	13	26.1+	4	8.0	3	6.0	2	4.0
416	1	11	10.0+	14	12.8+	11	10.0	0	0.0	3	2.7-
417	1	2	3.8	2	3.8	11	21.0	0	0.0	4	7.6
418	1	9	5.6	15	9.3	26	16.2	2	1.2	9	5.6-
420	1	0	0.0	0	0.0	0	0.0	2	25.1	1	12.5
421	1	0	0.0	2	8.1	0	0.0	0	0.0	2	8.1

## PARTE VI (CONTINUACION)

HOS		RIN	POLIQ	HIDRONEFR		EQUINOVAR		TALOGALVO		POLID.POS	
		N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
422	1	0	0.0	0	0.0	0	0.0	1	5.1	1	5.1
423	1	0	0.0	3	15.7	0	0.0	0	0.0	1	5.2
501	1	33	2.8	49	4.2	210	18.1	37	3.2-	187	16.2
502	2	2	3.6	1	1.8	9	16.3	2	3.6	3	5.4
503	3	8	1.9	0	0.0-	66	16.3	12	2.9	58	14.4
504	2	0	0.0	0	0.0	0	0.0	0	0.0	1	13.1
505	1	0	0.0	0	0.0	2	7.2	0	0.0	0	0.0
506	1	2	7.5	0	0.0	2	7.5	0	0.0	2	7.5
510	1	27	5.8+	16	3.4	89	19.2	5	1.0-	53	11.4-
601	3	2	0.6	3	0.9-	30	9.6-	6	1.9-	34	10.9
603	2	0	0.0	0	0.0	0	0.0	0	0.0	1	25.5
604	2	2	0.7	4	1.4-	31	10.8	2	0.7-	25	8.7-
605	1	3	0.7	1	0.2-	63	16.3	20	5.1	49	12.7
607	3	1	0.5	2	1.1	24	13.9	9	5.2	25	14.4
608	2	2	1.4	0	0.0	17	11.9	5	3.5	7	4.9-
609	2	0	0.0	0	0.0	5	27.3	0	0.0	2	10.9
610	3	0	0.0	3	2.3	14	10.8	3	2.3	15	11.6
611	2	0	0.0	0	0.0	1	4.7	0	0.0	0	0.0
612	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
613	2	1	7.5	0	0.0	0	0.0	0	0.0	1	7.5
614	1	9	4.4	4	1.9	33	16.3	8	3.9	30	14.8
615	1	0	0.0	1	4.9	1	4.9	0	0.0	1	4.9
616	1	0	0.0	1	9.9	2	19.9	0	0.0	2	19.9
617	1	1	3.5	1	3.5	2	7.0	0	0.0	3	10.5
703	2	2	0.2-	2	0.2-	101	13.7	37	5.0	54	7.3-
704	3	9	1.7	23	4.3	90	17.1	33	6.2	69	13.1
801	2	0	0.0	0	0.0	1	5.0	0	0.0	0	0.0
803	3	43	1.5-	117	4.3	330	12.1-	72	2.6-	284	10.4-
804	2	0	0.0	0	0.0	1	12.0	0	0.0	5	60.4+
805	3	1	0.4	1	0.4-	11	4.8-	3	1.3-	27	11.7
806	2	1	1.2	0	0.0	6	7.4	2	2.4	2	2.4-
807	2	0	0.0	0	0.0	0	0.0	0	0.0	5	22.6
808	3	0	0.0	0	0.0	1	1.6-	0	0.0	6	9.9
809	1	3	2.5	1	0.8	20	17.2	2	1.7	14	12.0
810	1	1	1.4	0	0.0	3	4.3	0	0.0	9	13.1
903	2	0	0.0	0	0.0	14	66.7+	1	4.7	0	0.0
906	1	4	5.0	1	1.2	21	26.2	32	40.0+	11	13.7
907	3	1	1.3	2	2.6	8	10.5	4	5.2	2	2.6-
908	3	0	0.0	1	1.4	5	7.4	0	0.0	6	8.8
909	2	0	0.0	3	5.7	3	5.7	4	7.7	1	1.9
911	1	1	8.4	0	0.0	1	8.4	0	0.0	1	8.4
913	1	3	14.0	1	4.6	3	14.0	0	0.0	1	4.6
914	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A02	3	22	5.0	30	6.8	103	23.6+	23	5.2	206	47.3+
A04	1	14	1.3	64	6.2	190	18.6	18	1.7-	158	15.4
A05	3	25	19.5+	13	10.1	36	28.2+	8	6.2	20	15.6
A06	2	0	0.0	0	0.0	7	8.6	6	7.4	14	17.2
A07	3	16	6.9+	31	13.3+	46	19.8	17	7.3	84	36.2+
A09	2	0	0.0	0	0.0	11	18.1	3	4.9	6	9.8
A10	1	17	3.3	13	2.5-	92	17.9	38	7.4	201	39.2+
A12	2	3	10.6	2	7.1	11	39.1+	0	0.0	12	42.7+
A13	2	0	0.0	1	1.4	26	38.3+	7	10.3	5	7.3
A14	3	20	5.0	14	3.5	52	13.0	259	65.0+	68	17.0
A15	2	6	0.5-	4	0.3-	194	17.2	110	9.8+	185	16.4
A16	2	0	0.0-	0	0.0-	125	30.8+	91	22.4+	143	35.3+
A18	2	0	0.0	1	1.3	4	5.3	0	0.0	11	14.5
A19	3	0	0.0	5	2.6	27	14.4	1	0.5-	94	50.1+
A20	2	0	0.0	0	0.0-	28	16.9	4	2.4	18	10.8
A21	2	3	1.2	6	2.4	74	29.6+	21	8.4	85	34.0+
A22	2	5	1.9	5	1.9	62	24.2	26	10.1	139	54.4+
A24	2	2	0.6	2	0.6-	41	13.0	2	0.6-	107	34.0+
A25	3	53	6.0+	82	9.4+	268	30.7+	111	12.7+	252	28.9+
A26	2	0	0.0	1	5.3	4	21.2	0	0.0	5	26.5
A27	2	0	0.0	0	0.0	3	15.1	0	0.0	4	20.2
A28	2	11	2.9	34	9.0+	48	12.8	28	7.4	58	15.5
A29	2	0	0.0	0	0.0-	7	4.4-	5	3.2	19	12.1
A32	2	0	0.0	2	5.8	10	29.3	1	2.9	14	41.0+
A33	3	88	13.6+	183	28.3+	236	36.5+	35	5.4	326	50.4+
A34	2	0	0.0	1	2.2	6	13.4	0	0.0	10	22.3
A35	3	4	3.2	1	0.8	16	13.1	1	0.8	43	35.2+
A36	2	0	0.0	0	0.0	3	32.7	1	10.9	4	43.6
A37	3	0	0.0	0	0.0	5	4.8-	1	0.9	8	7.8
A38	3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A39	3	132	29.5+	404	90.3+	264	59.0+	36	8.0	344	76.9+



## PARTE VI (CONTINUACION)

HOS	RIN		POLIQ		HIDRONEFR		EQUINOVAR		TALOGALVO		POLID.POS	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
A40	2	0	0.0	0	0.0	6	55.6+	0	0.0	1	9.2	
A41	2	0	0.0	0	0.0	1	16.8	0	0.0	0	0.0	
A42	2	0	0.0	2	4.7	4	9.4	1	2.3	14	32.9	
A43	3	22	3.2	29	4.3	232	34.5+	80	11.9+	193	28.7+	
A44	3	5	4.7	2	1.9	21	19.9	2	1.9	17	16.1	
A45	1	1	0.8	2	1.7	10	8.9	9	8.0	29	25.9	
A46	1	31	38.5+	47	58.4+	57	70.9+	8	9.9	37	46.0+	
A47	1	0	0.0	1	0.5	79	46.8+	13	7.7	119	70.6+	
A49	2	1	1.3	22	30.4+	9	12.4	1	1.3	20	27.6	
A50	1	9	5.2	15	8.8	14	8.2	12	7.0	34	19.9	
A51	1	16	2.9	28	5.2	77	14.3	20	3.7	75	13.9	
A52	1	0	0.0	0	0.0	1	3.1	0	0.0	4	12.5	
A53	1	0	0.0	0	0.0	1	3.8	0	0.0	0	0.0	
A55	1	0	0.0	0	0.0	1	21.3	0	0.0	1	21.3	
A56	1	11	2.1	55	10.5+	307	58.9+	307	58.9+	201	38.6+	
A57	1	0	0.0	0	0.0	1	10.3	1	10.3	1	10.3	
A58	1	0	0.0	0	0.0	0	0.0	3	75.5+	2	50.3	
A59	1	3	4.9	3	4.9	11	18.0	5	8.2	21	34.4+	
A60	1	1	0.9	16	14.8+	15	13.9	11	10.2	61	56.7+	
A61	1	0	0.0	0	0.0	1	22.2	0	0.0	1	22.2	
A62	1	6	6.1	21	21.4+	14	14.2	0	0.0	56	57.1+	
B01	1	15	1.6	7	0.7-	114	12.2-	78	8.3	105	11.2-	
B02	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
B04	2	0	0.0	0	0.0	3	12.0	2	8.0	1	4.0	
B07	3	1	0.5	0	0.0-	20	10.3	1	0.5-	19	9.8	
B08	3	2	1.5	0	0.0	17	13.4	4	3.1	16	12.6	
B10	1	2	0.6	1	0.3-	38	11.8	26	8.1	53	16.5	
C02	3	0	0.0-	0	0.0-	66	17.0	83	21.4+	19	4.9-	
C03	2	1	0.2	0	0.0-	65	19.0	65	19.0+	16	4.6-	
D01	3	5	0.8-	11	1.8-	142	23.9+	14	2.3-	60	10.1-	
D02	2	3	0.7	3	0.7-	88	20.5	20	4.6	28	6.5-	
D03	1	0	0.0	2	1.8	31	28.7+	1	0.9	17	15.7	
E01	3	10	3.7	17	6.3	27	10.1-	2	0.7-	36	13.5	
E02	3	3	1.1	4	1.5	28	11.0	3	1.1-	16	6.3-	
E03	2	2	0.4-	0	0.0-	40	8.2-	5	1.0-	62	12.7	
E04	1	1	0.9	0	0.0	11	10.2	5	4.6	17	15.7	
E05	1	1	3.1	0	0.0	4	12.7	2	6.3	5	15.9	
E06	1	0	0.0	0	0.0	1	11.8	3	35.4	4	47.2	
E07	1	2	15.1	0	0.0	2	15.1	2	15.1	6	45.3	
E08	1	3	2.5	1	0.8	18	15.0	1	0.8	25	20.8	
E09	1	1	0.6	1	0.6	28	18.4	5	3.2	16	10.5	
E10	1	1	0.4	0	0.0	22	9.7	3	1.3	40	17.7	
E11	1	0	0.0	0	0.0	11	30.5	2	5.5	10	27.7	
E12	1	0	0.0	0	0.0	4	4.7	8	9.5	5	5.9	
F01	1	17	0.8	22	1.1	225	11.7	37	11.9	274	14.2	
F02	1	16	2.3	17	2.4	114	16.5	37	5.3	256	37.1	
F04	1	3	3.6	0	0.0	33	40.1	3	3.6	12	14.6	
F05	1	12	0.8	13	0.8	274	18.4	73	4.9	463	31.0	
F07	1	0	0.0	0	0.0	19	9.6	4	2.0	48	24.4	
G01	1	5	3.9	2	1.5	23	17.9	1	0.7	17	13.2	
G02	2	1	1.4	1	1.4	13	18.1	2	2.8	7	9.8	
G03	3	0	0.0	0	0.0	6	14.6	3	7.3	9	21.9	
G04	2	0	0.0	0	0.0	2	19.7	0	0.0	3	29.6	
G05	2	5	5.9	1	1.1	9	10.6	3	3.5	15	17.7	
G06	2	1	9.6	1	9.6	2	19.2	0	0.0	2	19.2	
G08	3	1	0.6	0	0.0	15	9.1	4	2.4	17	10.3	
G09	2	3	1.7	1	0.5	12	7.0	2	1.1	16	9.3	
G11	1	13	6.5	17	8.5	67	33.6	25	12.5	51	25.6	
G12	1	0	0.0	0	0.0	16	17.0	5	5.3	20	21.2	
G13	1	0	0.0	6	14.6	29	71.0	0	0.0	22	53.8	
G14	1	0	0.0	0	0.0	4	23.0	1	5.7	6	34.5	
G15	1	0	0.0	1	3.0	4	12.1	0	0.0	1	3.0	
G16	1	1	1.0	4	4.1	37	38.4	2	2.0	24	24.9	
G17	1	4	9.7	1	2.4	6	14.6	0	0.0	10	24.4	
G18	1	0	0.0	0	0.0	2	13.3	0	0.0	3	19.9	
G19	1	5	1.4	46	13.3	67	19.4	2	0.5	82	23.8	
G20	1	2	3.3	12	20.3	13	21.9	1	1.6	18	30.4	
G21	1	0	0.0	0	0.0	1	13.6	0	0.0	0	0.0	
H01	2	7	2.8	8	3.2	34	13.7	7	2.8	12	4.8	
H02	2	2	1.8	0	0.0	13	12.1	0	0.0	18	16.8	
H03	2	1	3.8	1	3.8	0	0.0	0	0.0	1	3.8	
MON		278	1.5	363	2.0	2691	15.1	1087	6.1	2491	14.0	
ECL		1072	3.4	2211	7.1	5576	18.0	2000	6.4	5790	18.7	
TOT		1350	2.7	2574	5.3	8267	17.0	3087	6.3	8281	17.0	

## 55 MALFORMACIONES POR HOSPITAL PERIODO 1982-2008 PARTE VII

HOS		POLID.PRE		POLID.OTR		SIND.2-3		SIND.OTR		AMELIA	
		N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
101	3	26	2.2	18	1.5	10	0.8	41	3.5	1	0.0
103	3	1	0.3	0	0.0	3	1.0	8	2.7	0	0.0
105	3	1	1.4	0	0.0	0	0.0	2	2.8	1	1.4
107	2	2	2.3	1	1.1	2	2.3	4	4.6	0	0.0
108	2	1	1.6	0	0.0	1	1.6	5	8.1	0	0.0
109	2	0	0.0	1	1.5	0	0.0	1	1.5	0	0.0
110	3	18	3.2	7	1.2	10	1.7	22	3.9	0	0.0
111	3	1	3.8	0	0.0	0	0.0	0	0.0	0	0.0
112	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
113	1	0	0.0	0	0.0	0	0.0	1	6.1	0	0.0
114	1	0	0.0	0	0.0	1	2.7	1	2.7	0	0.0
115	1	1	6.6	0	0.0	0	0.0	0	0.0	0	0.0
116	1	0	0.0	0	0.0	1	4.0	0	0.0	0	0.0
201	1	37	4.9+	16	2.1	32	4.2+	53	7.0+	2	0.2
203	2	0	0.0	2	5.0	2	5.0	3	7.6	0	0.0
204	2	0	0.0	0	0.0	0	0.0	3	8.7	0	0.0
205	3	15	3.0	7	1.4	6	1.2	19	3.8	1	0.2
206	1	0	0.0	0	0.0	0	0.0	2	8.0	0	0.0
207	2	13	1.7	9	1.1	6	0.7	29	3.7	2	0.2
208	2	5	3.3	1	0.6	27	18.1+	5	3.3	0	0.0
209	1	0	0.0	1	1.0	2	2.0	3	3.0	0	0.0
210	2	8	1.5	1	0.1	3	0.5	19	3.5	1	0.1
211	2	6	3.3	1	0.5	6	3.3	6	3.3	1	0.5
212	2	2	3.1	0	0.0	1	1.5	7	10.9+	0	0.0
213	1	1	0.9	2	1.8	11	10.3+	5	4.7	0	0.0
214	1	4	4.1	0	0.0	1	1.0	1	1.0	0	0.0
216	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
217	1	25	4.5	8	1.4	9	1.6	25	4.5	0	0.0
218	2	1	2.1	0	0.0	2	4.2	4	8.3	0	0.0
219	1	8	3.7	3	1.4	3	1.4	8	3.7	0	0.0
220	1	2	0.6	0	0.0	2	0.6	12	4.0	0	0.0
221	1	25	6.3+	7	1.7	10	2.5	19	4.8	1	0.2
222	1	10	6.3+	0	0.0	1	0.6	8	5.0	0	0.0
223	1	9	2.5	5	1.4	5	1.4	8	2.2	1	0.2
224	1	15	6.2	3	1.2	2	0.8	12	4.9	0	0.0
225	1	16	5.0	0	0.0	4	1.2	13	4.0	0	0.0
226	1	1	2.4	1	2.4	1	2.4	5	11.9	0	0.0
227	1	8	3.4	4	1.7	5	2.1	7	2.9	0	0.0
301	1	0	0.0	2	5.9	0	0.0	0	0.0	0	0.0
302	3	1	1.2	3	3.7	0	0.0	4	4.9	0	0.0
303	1	7	1.6	6	1.4	18	4.2+	19	4.4	1	0.2
308	1	20	4.9	4	1.0	9	2.2	22	5.4	1	0.2
318	3	56	4.0	24	1.7	17	1.2	61	4.3	8	0.5
319	2	5	4.2	0	0.0	1	0.8	1	0.8	0	0.0
322	3	37	3.4	3	0.2	7	0.6	30	2.8	0	0.0
323	2	2	2.8	2	2.8	1	1.4	5	7.1	0	0.0
324	3	4	6.6	0	0.0	7	11.6+	3	4.9	0	0.0
325	3	16	4.9	4	1.2	13	4.0+	21	6.4	1	0.3
326	3	1	1.1	0	0.0	0	0.0	1	1.1	0	0.0
327	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
329	2	1	2.5	1	2.5	2	5.0	1	2.5	0	0.0
330	1	4	3.3	0	0.0	1	0.8	8	6.6	1	0.8
331	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
332	1	3	2.0	0	0.0	3	2.0	6	4.1	0	0.0
333	1	3	2.2	0	0.0	6	4.4	2	1.4	0	0.0
334	1	0	0.0	1	1.9	0	0.0	2	3.8	0	0.0
335	1	3	4.8	1	1.6	0	0.0	0	0.0	0	0.0
336	1	1	14.1	0	0.0	0	0.0	0	0.0	0	0.0
337	1	0	0.0	0	0.0	1	3.6	1	3.6	0	0.0
403	1	9	3.7	2	0.8	5	2.0	8	3.3	0	0.0
404	2	1	1.2	0	0.0	0	0.0	4	5.0	0	0.0
406	3	4	4.5	1	1.1	2	2.2	2	2.2	0	0.0
407	3	13	1.5	10	1.1	10	1.1	27	3.2	1	0.1
408	3	6	2.1	2	0.7	0	0.0	14	4.9	0	0.0
409	2	0	0.0	0	0.0	0	0.0	1	8.5	0	0.0
411	2	0	0.0	2	10.9	0	0.0	2	10.9	0	0.0
412	3	1	1.0	1	1.0	0	0.0	4	4.2	0	0.0
413	3	36	4.0	15	1.6	13	1.4	30	3.3	0	0.0
414	3	18	5.1	5	1.4	6	1.7	10	2.8	1	0.2
415	1	0	0.0	1	2.0	4	8.0	1	2.0	0	0.0
416	1	5	4.5	0	0.0	2	1.8	4	3.6	1	0.9
417	1	0	0.0	0	0.0	2	3.8	4	7.6	0	0.0
418	1	7	4.3	1	0.6	1	0.6	1	0.6	0	0.0
420	1	1	12.5	0	0.0	0	0.0	0	0.0	0	0.0
421	1	1	4.0	1	4.0	0	0.0	1	4.0	0	0.0

## PARTE VII (CONTINUACION)

HOS	POLID.PRE		POLID.OTR		SIND.2-3		SIND.OTR		AMELIA	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
422	1	5.1	0	0.0	0	0.0	1	5.1	1	5.1
423	1	0	0	0.0	0	0.0	0	0.0	0	0.0
501	1	40	8	0.6	20	1.7	72	6.2+	2	0.1
502	2	3	0	0.0	1	1.8	2	3.6	0	0.0
503	3	17	6	1.4	1	0.2	15	3.7	0	0.0
504	2	0	0	0.0	0	0.0	0	0.0	0	0.0
505	1	1	2	7.2	1	3.6	1	3.6	0	0.0
506	1	1	0	0.0	0	0.0	1	3.7	0	0.0
510	1	21	3	0.6	7	1.5	15	3.2	0	0.0
601	3	5	2	0.6	6	1.9	14	4.5	2	0.6
603	2	0	0	0.0	0	0.0	0	0.0	0	0.0
604	2	6	7	2.4	2	0.7	18	6.3	1	0.3
605	1	10	3	0.7	14	3.6+	19	4.9	2	0.5
607	3	7	0	0.0	10	5.7+	8	4.6	0	0.0
608	2	6	0	0.0	9	6.3+	2	1.4	0	0.0
609	2	0	0	0.0	1	5.4	1	5.4	0	0.0
610	3	2	3	2.3	1	0.7	3	2.3	1	0.7
611	2	0	0	0.0	0	0.0	0	0.0	0	0.0
612	2	0	0	0.0	0	0.0	0	0.0	0	0.0
613	2	0	0	0.0	0	0.0	0	0.0	0	0.0
614	1	6	0	0.0	3	1.4	8	3.9	1	0.5
615	1	3	14	7	0	0.0	1	4.9	0	0.0
616	1	0	0	0.0	0	0.0	0	0.0	0	0.0
617	1	5	17	5+	1	3.5	0	0.0	0	0.0
703	2	7	9	1.2	3	0.4	16	2.1	1	0.1
704	3	11	2	0.3	5	0.9	10	1.9	2	0.3
801	2	1	0	0.0	0	0.0	1	5.0	0	0.0
803	3	97	17	0.6	20	0.7-	101	3.7	3	0.1
804	2	0	0	0.0	0	0.0	0	0.0	0	0.0
805	3	2	2	0.8	1	0.4	4	1.7	1	0.4
806	2	1	1	1.2	0	0.0	1	1.2	0	0.0
807	2	3	1	4.5	0	0.0	1	4.5	0	0.0
808	3	3	0	0.0	0	0.0	2	3.3	0	0.0
809	1	5	4	3.4	0	0.0	5	4.3	0	0.0
810	1	2	0	0.0	1	1.4	0	0.0	0	0.0
903	2	0	0	0.0	0	0.0	3	14.2	0	0.0
906	1	5	0	0.0	0	0.0	2	2.5	0	0.0
907	3	2	0	0.0	1	1.3	7	9.2+	1	1.3
908	3	0	0	0.0	0	0.0	4	5.9	0	0.0
909	2	0	2	3.8	1	1.9	2	3.8	0	0.0
911	1	0	0	0.0	0	0.0	0	0.0	0	0.0
913	1	1	0	0.0	0	0.0	0	0.0	0	0.0
914	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A02	3	17	7	1.6	4	0.9	15	3.4	1	0.2
A04	1	21	7	0.6	33	3.2+	38	3.7	1	0.1
A05	3	3	3	2.3	2	1.5	9	7.0	1	0.7
A06	2	4	5	6.1+	3	3.7	3	3.7	0	0.0
A07	3	11	5	2.1	9	3.8	10	4.3	1	0.4
A09	2	0	0	0.0	0	0.0	2	3.3	0	0.0
A10	1	13	9	1.7	15	2.9	23	4.4	2	0.3
A12	2	0	2	7.1	1	3.5	0	0.0	0	0.0
A13	2	1	1	1.4	6	8.8+	2	2.9	0	0.0
A14	3	16	12	3.0+	59	14.8+	16	4.0	1	0.2
A15	2	16	17	1.5	12	1.0	34	3.0	3	0.2
A16	2	4	5	1.2	10	2.4	12	2.9	2	0.4
A18	2	2	0	0.0	0	0.0	5	6.6	0	0.0
A19	3	4	1	0.5	0	0.0	11	5.8	0	0.0
A20	2	3	7	4.2+	4	2.4	4	2.4	0	0.0
A21	2	10	1	0.4	4	1.6	15	6.0	2	0.8
A22	2	12	4	1.5	7	2.7	13	5.0	0	0.0
A24	2	10	3	0.9	3	0.9	17	5.4	0	0.0
A25	3	23	12	1.3	33	3.7+	43	4.9	2	0.2
A26	2	0	6	31.8+	0	0.0	0	0.0	0	0.0
A27	2	6	1	5.0	0	0.0	1	5.0	0	0.0
A28	2	7	4	1.0	25	6.6+	20	5.3	1	0.2
A29	2	2	0	0.0	3	1.9	3	1.9	0	0.0
A32	2	4	0	0.0	0	0.0	0	0.0	0	0.0
A33	3	25	21	3.2+	45	6.9+	55	8.5+	10	1.5+
A34	2	1	0	0.0	0	0.0	1	2.2	0	0.0
A35	3	2	3	2.4	0	0.0	2	1.6	0	0.0
A36	2	0	0	0.0	0	0.0	1	10.9	0	0.0
A37	3	0	3	2.9	0	0.0	2	1.9	0	0.0
A38	3	0	0	0.0	0	0.0	0	0.0	0	0.0
A39	3	39	16	3.5+	10	2.2	40	8.9+	8	1.7+

## PARTE VII (CONTINUACION)

HOS	POLID.PRE		POLID.OTR		SIND.2-3		SIND.OTR		AMELIA	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
A40	2	0	1	9.2	1	9.2	1	9.2	0	0.0
A41	2	0	2	33.7+	0	0.0	0	0.0	0	0.0
A42	2	1	1	2.3	0	0.0	1	2.3	0	0.0
A43	3	18	14	2.0	17	2.5	32	4.7	0	0.0
A44	3	0	1	0.9	0	0.0	3	2.8	0	0.0
A45	1	3	1	0.8	0	0.0	4	3.5	0	0.0
A46	1	3	1	1.2	5	6.2+	4	4.9	0	0.0
A47	1	18	3	1.7	3	1.7	5	2.9	0	0.0
A49	2	5	1	6.9	1	1.3	7	9.6+	0	0.0
A50	1	7	3	4.1	3	1.7	2	1.1	5	2.9
A51	1	13	5	2.4	9	0.9	16	2.9	0	0.0
A52	1	0	1	3.1	0	0.0	1	3.1	0	0.0
A53	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A55	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A56	1	14	7	2.6	19	3.6+	14	2.6	0	0.0
A57	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A58	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A59	1	3	1	4.9	5	1.6	1	8.2+	0	0.0
A60	1	4	0	3.7	0	0.0	4	3.7	0	0.0
A61	1	0	0	0.0	1	22.2	0	0.0	0	0.0
A62	1	5	0	5.1	0	1.0	6	6.1	1	1.0
B01	1	44	1	4.7+	5	0.5-	27	2.9	4	0.4
B02	2	0	0	0.0	0	0.0	0	0.0	0	0.0
B04	2	0	0	0.0	0	0.0	1	4.0	0	0.0
B07	3	10	0	5.2	0	0.0	2	1.0	1	0.5
B08	3	2	1	1.5	0	0.7	3	2.3	0	0.0
B10	1	13	3	4.0	0	0.9	16	4.9	0	0.0
C02	3	4	1	1.0	2	0.5	18	4.6	0	0.0
C03	2	6	0	1.7	3	0.8	12	3.5	0	0.0
D01	3	10	14	1.6	8	1.3+	23	3.8	3	0.5
D02	2	4	9	0.9	2	2.1	9	2.1	1	0.2
D03	1	0	0	0.0	1	0.9	3	2.7	0	0.0
E01	3	14	0	5.2	3	0.0	11	4.1	0	0.0
E02	3	7	2	2.7	3	0.7	10	3.9	1	0.3
E03	2	8	1	1.6	1	0.2	17	3.4	2	0.4
E04	1	5	2	4.6	1	1.8	4	3.7	1	0.9
E05	1	0	2	0.0	0	6.3	2	6.3	0	0.0
E06	1	1	1	11.8	0	11.8	1	11.8	0	0.0
E07	1	0	0	0.0	0	0.0	0	0.0	0	0.0
E08	1	3	0	2.5	1	0.8	4	3.3	0	0.0
E09	1	4	4	2.6	1	2.6	7	4.6	0	0.0
E10	1	6	0	2.6	1	0.0	4	1.7	1	0.4
E11	1	1	0	2.7	1	0.0	3	8.3	0	0.0
E12	1	2	1	2.3	0	1.2	1	1.2	0	0.0
F01	1	28	19	1.4	10	0.9	45	2.3	7	0.3
F02	1	21	3	3.0	7	0.4	26	3.7	1	0.1
F04	1	1	2	1.2	1	2.4	5	6.0	0	0.0
F05	1	32	13	2.1	20	0.8	52	3.4	1	0.0
F07	1	10	2	5.0	0	1.0	6	3.0	0	0.0
G01	1	8	0	6.2	1	0.0	3	2.3	0	0.0
G02	2	1	0	1.4	1	0.0	2	2.8	1	1.4
G03	3	0	0	0.0	0	0.0	1	2.4	1	2.4
G04	2	0	0	0.0	0	0.0	0	0.0	0	0.0
G05	2	2	1	2.3	0	1.1	4	4.7	1	1.1
G06	2	0	0	0.0	0	0.0	0	0.0	0	0.0
G08	3	3	2	1.8	0	1.2	7	4.2	0	0.0
G09	2	8	2	4.6	1	1.1	5	2.9	0	0.0
G11	1	16	1	8.0	4	0.5	9	4.5	0	0.0
G12	1	7	1	7.4	2	1.0	4	4.2	2	2.1
G13	1	2	0	4.9	1	0.0	2	4.9	0	0.0
G14	1	1	2	5.7	0	11.5	1	5.7	0	0.0
G15	1	0	1	0.0	1	3.0	2	6.0	0	0.0
G16	1	7	2	7.2	1	2.0	4	4.1	0	0.0
G17	1	0	0	0.0	0	0.0	1	2.4	0	0.0
G18	1	0	0	0.0	0	0.0	1	6.6	0	0.0
G19	1	14	5	4.0	3	1.4	11	3.2	2	0.5
G20	1	7	1	11.8	0	1.6	9	15.2	1	1.6
G21	1	0	0	0.0	0	0.0	1	13.6	0	0.0
H01	2	7	5	2.8	4	2.0	6	2.4	2	0.8
H02	2	2	0	1.8	0	0.0	1	0.9	0	0.0
H03	2	0	1	0.0	0	3.8	0	0.0	0	0.0
MON		425	230	2.4	317	1.3	650	3.6	37	0.2
ECL		1049	336	3.4	540	1.0	1236	4.0	76	0.2
TOT		1474	566	3.0	857	1.1	1886	3.8	113	0.2

55 MALFORMACIONES POR HOSPITAL PERIODO 1982-2008 PARTE VIII											
HOS	AMPUTAC		HIPOPL.T		RED.T.INT		RED.L.PRE		RED.L.POS		
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	
101	3	33	2.8	19	1.6	9	0.7	14	1.2	2	0.1
103	3	1	0.3	1	0.3	2	0.7	1	0.3	1	0.3
105	3	1	1.4	1	1.4	1	1.4	2	2.8	0	0.0
107	2	3	3.5	1	1.1	1	1.1	3	3.5	0	0.0
108	2	4	6.4	2	3.2	0	0.0	0	0.0	0	0.0
109	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
110	3	20	3.5	7	1.2	3	0.5	5	0.8	3	0.5
111	3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
112	1	1	3.9	0	0.0	0	0.0	0	0.0	0	0.0
113	1	2	12.2	0	0.0	0	0.0	1	6.1	0	0.0
114	1	1	2.7	0	0.0	1	2.7	0	0.0	0	0.0
115	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
116	1	1	4.0	0	0.0	0	0.0	0	0.0	1	4.0
201	1	14	1.8	12	1.6	3	0.4	14	1.8	5	0.6
203	2	0	0.0	0	0.0	1	2.5	0	0.0	0	0.0
204	2	0	0.0	0	0.0	1	2.9	1	2.9	0	0.0
205	3	19	3.8	3	0.6	2	0.4	5	1.0	2	0.4
206	1	0	0.0	0	0.0	0	0.0	0	0.0	2	8.0+
207	2	11	1.4	5	0.6	2	0.2	2	0.2	0	0.0
208	2	2	1.3	3	2.0	1	0.6	2	1.3	0	0.0
209	1	2	2.0	1	1.0	0	0.0	0	0.0	0	0.0
210	2	14	2.6	2	0.3	2	0.3	4	0.7	1	0.1
211	2	3	1.6	2	1.1	1	0.5	1	0.5	1	0.5
212	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
213	1	6	5.6	0	0.0	0	0.0	2	1.8	0	0.0
214	1	1	1.0	0	0.0	0	0.0	0	0.0	0	0.0
216	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
217	1	9	1.6	3	0.5	2	0.3	9	1.6	2	0.3
218	2	2	4.2	0	0.0	0	0.0	1	2.1	0	0.0
219	1	3	1.4	1	0.4	2	0.9	2	0.9	1	0.4
220	1	10	3.3	2	0.6	0	0.0	6	2.0	0	0.0
221	1	8	2.0	2	0.5	2	0.5	3	0.7	1	0.2
222	1	3	1.8	0	0.0	0	0.0	4	2.5	2	1.2
223	1	6	1.6	0	0.0	0	0.0	3	0.8	4	1.1
224	1	9	3.7	3	1.2	1	0.4	3	1.2	1	0.4
225	1	7	2.2	1	0.3	1	0.3	2	0.6	4	1.2
226	1	0	0.0	0	0.0	0	0.0	1	2.4	0	0.0
227	1	2	0.8	0	0.0	0	0.0	2	0.8	0	0.0
301	1	0	0.0	1	2.9	0	0.0	0	0.0	0	0.0
302	3	3	3.7	2	2.4	0	0.0	0	0.0	2	2.4
303	1	9	2.1	10	2.3	4	0.9	8	1.8	2	0.4
308	1	11	2.7	7	1.7	3	0.7	6	1.5	0	0.0
318	3	47	3.3	24	1.7+	7	0.5	43	3.0+	6	0.4
319	2	1	0.8	1	0.8	0	0.0	1	0.8	0	0.0
322	3	23	2.1	5	0.4	7	0.6	8	0.7	4	0.3
323	2	1	1.4	1	1.4	0	0.0	1	1.4	0	0.0
324	3	2	3.3	0	0.0	1	1.6	1	1.6	0	0.0
325	3	11	3.4	6	1.8	4	1.2	4	1.2	1	0.3
326	3	7	8.2+	0	0.0	0	0.0	1	1.1	0	0.0
327	2	0	0.0	2	8.8	0	0.0	0	0.0	0	0.0
329	2	1	2.5	0	0.0	0	0.0	1	2.5	0	0.0
330	1	4	3.3	1	0.8	0	0.0	1	0.8	2	1.6
331	1	1	6.6	1	6.6	0	0.0	0	0.0	0	0.0
332	1	3	2.0	0	0.0	1	0.6	1	0.6	1	0.6
333	1	4	2.9	1	0.7	1	0.7	3	2.2	2	1.4
334	1	1	1.9	0	0.0	0	0.0	1	1.9	0	0.0
335	1	1	1.6	0	0.0	0	0.0	0	0.0	0	0.0
336	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
337	1	0	0.0	1	3.6	0	0.0	0	0.0	0	0.0
403	1	4	1.6	2	0.8	2	0.8	1	0.4	0	0.0
404	2	0	0.0	1	1.2	0	0.0	1	1.2	0	0.0
406	3	1	1.1	1	1.1	0	0.0	3	3.4	2	2.2
407	3	15	1.7	7	0.8	5	0.5	17	2.0	2	0.2
408	3	8	2.8	2	0.7	1	0.3	3	1.0	0	0.0
409	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
411	2	1	5.4	0	0.0	0	0.0	0	0.0	0	0.0
412	3	0	0.0	0	0.0	0	0.0	1	1.0	1	1.0
413	3	30	3.3	10	1.1	3	0.3	6	0.6	5	0.5
414	3	5	1.4	1	0.2	0	0.0	8	2.3	1	0.2
415	1	1	2.0	0	0.0	0	0.0	3	6.0	0	0.0
416	1	2	1.8	0	0.0	0	0.0	2	1.8	0	0.0
417	1	3	5.7	0	0.0	0	0.0	0	0.0	0	0.0
418	1	4	2.4	1	0.6	2	1.2	3	1.8	1	0.6
420	1	1	12.5	0	0.0	0	0.0	0	0.0	0	0.0
421	1	0	0.0	0	0.0	0	0.0	1	4.0	0	0.0

## PARTE VIII (CONTINUACION)

HOS	AMPUTAC		HIPOPL.T		RED.T.INT		RED.L.PRE		RED.L.POS	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
422	1	0	0	0.0	0	0.0	0	0.0	0	0.0
423	1	0	0	0.0	0	0.0	0	0.0	0	0.0
501	1	44	35	3.0+	3	0.2	25	2.1	9	0.7
502	2	3	0	0.0	0	0.0	0	0.0	0	0.0
503	3	9	7	1.7	1	0.2	6	1.4	0	0.0
504	2	0	0	0.0	0	0.0	0	0.0	0	0.0
505	1	0	0	0.0	0	0.0	0	0.0	1	3.6
506	1	1	0	0.0	0	0.0	0	0.0	0	0.0
510	1	5	7	1.5	3	0.6	12	2.6	1	0.2
601	3	7	3	0.9	2	0.6	2	0.6	0	0.0
603	2	0	0	0.0	0	0.0	0	0.0	0	0.0
604	2	7	1	0.3	0	0.0	4	1.4	0	0.0
605	1	10	2	0.5	2	0.5	4	1.0	0	0.0
607	3	2	0	0.0	1	0.5	2	1.1	1	0.5
608	2	6	2	1.4	0	0.0	2	1.4	0	0.0
609	2	0	0	0.0	0	0.0	0	0.0	0	0.0
610	3	0	2	1.5	0	0.0	2	1.5	0	0.0
611	2	0	0	0.0	0	0.0	0	0.0	0	0.0
612	2	0	0	0.0	0	0.0	0	0.0	0	0.0
613	2	0	0	0.0	0	0.0	0	0.0	0	0.0
614	1	5	1	0.5	1	0.5	3	1.4	0	0.0
615	1	0	0	0.0	0	0.0	0	0.0	0	0.0
616	1	1	0	0.0	0	0.0	0	0.0	0	0.0
617	1	1	0	0.0	0	0.0	0	0.0	0	0.0
703	2	14	3	0.4	5	0.6	3	0.4	5	0.6
704	3	13	2	0.3	2	0.3	7	1.3	0	0.0
801	2	1	0	0.0	0	0.0	0	0.0	0	0.0
803	3	70	38	1.4	15	0.5	45	1.6	7	0.2
804	2	0	1	0.0	0	0.0	0	0.0	0	0.0
805	3	1	2	0.8	0	0.0	2	0.8	1	0.4
806	2	0	0	0.0	0	0.0	2	2.4	0	0.0
807	2	0	0	0.0	0	0.0	0	0.0	0	0.0
808	3	0	0	0.0	0	0.0	0	0.0	0	0.0
809	1	6	0	0.0	0	0.0	1	0.8	0	0.0
810	1	2	0	0.0	1	1.4	0	0.0	0	0.0
903	2	1	0	0.0	0	0.0	0	0.0	0	0.0
906	1	1	1	1.2	0	0.0	2	2.5	1	1.2
907	3	3	0	0.0	0	0.0	4	5.2	0	0.0
908	3	1	0	0.0	1	1.4	0	0.0	0	0.0
909	2	0	1	1.9	0	0.0	0	0.0	0	0.0
911	1	0	0	0.0	0	0.0	0	0.0	0	0.0
913	1	0	0	0.0	0	0.0	0	0.0	0	0.0
914	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A02	3	20	6	1.3	2	0.4	6	1.3	2	0.4
A04	1	33	6	0.5	15	1.4+	10	0.9	1	0.1
A05	3	3	6	4.7+	2	1.5	2	1.5	1	0.7
A06	2	2	0	0.0	1	1.2	1	1.2	0	0.0
A07	3	8	2	0.8	3	1.3	4	1.7	0	0.0
A09	2	0	2	3.3	0	0.0	0	0.0	0	0.0
A10	1	17	9	1.7	5	0.9	5	0.9	6	1.1
A12	2	0	0	0.0	1	3.5	0	0.0	0	0.0
A13	2	1	2	2.9	0	0.0	0	0.0	0	0.0
A14	3	12	5	1.2	3	0.7	0	0.0	5	1.2
A15	2	21	9	0.8	6	0.5	6	0.5	5	0.4
A16	2	7	6	1.4	2	0.4	2	0.4	1	0.2
A18	2	2	2	2.6	0	0.0	1	1.3	0	0.0
A19	3	9	0	0.0	0	0.0	0	0.0	1	0.5
A20	2	4	4	2.4	1	0.6	4	2.4	2	1.2
A21	2	13	1	0.4	1	0.4	2	0.8	2	0.8
A22	2	9	2	0.7	0	0.0	3	1.1	4	1.5
A24	2	6	1	0.3	4	1.2	2	0.6	0	0.0
A25	3	28	8	0.9	7	0.8	7	0.8	6	0.6
A26	2	1	0	0.0	0	0.0	0	0.0	0	0.0
A27	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A28	2	8	3	0.8	1	0.2	2	0.5	2	0.5
A29	2	5	2	1.2	2	1.2	3	1.9	1	0.6
A32	2	2	0	0.0	0	0.0	0	0.0	0	0.0
A33	3	38	6	0.9	3	0.4	26	4.0+	8	1.2+
A34	2	0	1	2.2	0	0.0	0	0.0	0	0.0
A35	3	5	0	0.0	1	0.8	2	1.6	0	0.0
A36	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A37	3	1	0	0.0	0	0.0	0	0.0	1	0.9
A38	3	0	0	0.0	0	0.0	0	0.0	0	0.0
A39	3	33	13	2.9+	3	0.6	23	5.1+	9	2.0+

## PARTE VIII (CONTINUACION)

HOS	AMPUTAC		HIPOPL.T		RED.T.INT		RED.L.PRE		RED.L.POS	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
A40	2	18.5	0	0.0	0	0.0	0	0.0	0	0.0
A41	2	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A42	2	1	1	2.3	0	0.0	0	0.0	0	0.0
A43	3	19	1	0.1	0	0.0	1	0.1	2	0.3
A44	3	4	0	0.0	1	0.9	1	0.9	0	0.0
A45	1	2	1	0.8	1	0.8	0	0.0	2	1.7
A46	1	5	3	3.7	1	1.2	0	0.0	1	1.2
A47	1	4	2	1.1	2	1.1	1	0.5	2	1.1
A49	2	4	1	1.3	2	2.7	1	1.3	0	0.0
A50	1	5	2	1.1	2	1.1	3	1.7	1	0.5
A51	1	13	3	0.5	2	0.3	5	0.9	2	0.3
A52	1	0	0	0.0	0	0.0	1	3.1	0	0.0
A53	1	1	0	0.0	0	0.0	0	0.0	0	0.0
A55	1	1	0	0.0	0	0.0	0	0.0	0	0.0
A56	1	16	9	1.7	15	2.8+	3	0.5	1	0.1
A57	1	1	0	0.0	0	0.0	1	10.3	0	0.0
A58	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A59	1	3	2	3.2	0	0.0	3	4.9	0	0.0
A60	1	2	1	0.9	1	0.9	1	0.9	2	1.8
A61	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A62	1	2	0	0.0	0	0.0	0	0.0	1	1.0
B01	1	27	4	0.4	5	0.5	21	2.2+	7	0.7
B02	2	0	0	0.0	0	0.0	0	0.0	0	0.0
B04	2	0	0	0.0	0	0.0	0	0.0	0	0.0
B07	3	4	2	1.0	0	0.0	1	0.5	2	1.0
B08	3	5	1	0.7	0	0.0	1	0.7	0	0.0
B10	1	8	0	0.0	1	0.3	10	3.1+	2	0.6
C02	3	8	5	1.2	1	0.2	1	0.2	1	0.2
C03	2	2	6	1.7	0	0.0	1	0.2	1	0.2
D01	3	14	1	0.1	0	0.0	5	0.8	1	0.1
D02	2	13	1	0.2	1	0.2	2	0.4	0	0.0
D03	1	4	0	0.0	1	0.9	0	0.0	0	0.0
E01	3	5	1	0.3	4	1.5	4	1.5	0	0.0
E02	3	9	3	1.1	3	1.1	3	1.1	1	0.3
E03	2	11	2	0.4	1	0.2	2	0.4	0	0.0
E04	1	3	1	0.9	0	0.0	0	0.0	0	0.0
E05	1	2	0	0.0	1	3.1	0	0.0	0	0.0
E06	1	0	0	0.0	0	0.0	0	0.0	0	0.0
E07	1	0	0	0.0	0	0.0	1	7.5	0	0.0
E08	1	4	1	0.8	0	0.0	3	2.5	0	0.0
E09	1	1	2	1.3	0	0.0	1	0.6	2	1.3
E10	1	2	0	0.0	0	0.0	2	0.8	0	0.0
E11	1	1	0	0.0	1	2.7	0	0.0	0	0.0
E12	1	1	0	0.0	0	0.0	0	0.0	0	0.0
F01	1	41	9	0.4	12	0.6	16	0.8	3	0.1
F02	1	21	4	0.5	5	0.7	7	1.0	4	0.5
F04	1	3	1	1.2	1	1.2	0	0.0	0	0.0
F05	1	45	18	1.2	6	0.4	11	0.7	5	0.3
F07	1	6	0	0.0	3	1.5	2	1.0	1	0.5
G01	1	6	2	1.5	0	0.0	2	1.5	1	0.7
G02	2	1	1	1.4	1	1.4	1	1.4	1	1.4
G03	3	1	0	0.0	0	0.0	0	0.0	0	0.0
G04	2	0	0	0.0	0	0.0	0	0.0	0	0.0
G05	2	0	0	0.0	0	0.0	0	0.0	1	1.1
G06	2	0	0	0.0	0	0.0	0	0.0	0	0.0
G08	3	4	1	0.6	0	0.0	0	0.0	1	0.6
G09	2	3	1	0.5	1	0.5	2	1.1	1	0.5
G11	1	7	5	2.5	3	1.5	1	0.5	0	0.0
G12	1	1	0	0.0	0	0.0	0	0.0	0	0.0
G13	1	3	0	0.0	2	4.9	1	2.4	0	0.0
G14	1	2	0	0.0	0	0.0	0	0.0	0	0.0
G15	1	0	0	0.0	0	0.0	1	3.0	0	0.0
G16	1	2	1	1.0	1	1.0	0	0.0	0	0.0
G17	1	0	0	0.0	1	2.4	0	0.0	0	0.0
G18	1	1	0	0.0	0	0.0	0	0.0	0	0.0
G19	1	18	1	0.2	1	0.2	4	1.1	2	0.5
G20	1	1	0	0.0	1	1.6	0	0.0	0	0.0
G21	1	0	0	0.0	0	0.0	0	0.0	0	0.0
H01	2	2	2	0.8	2	0.8	1	0.4	0	0.0
H02	2	1	0	0.0	0	0.0	0	0.0	0	0.0
H03	2	2	0	0.0	0	0.0	2	7.6	0	0.0
MON		406	163	0.9	72	0.4	167	0.9	55	0.3
ECL		879	302	0.9	193	0.6	425	1.3	144	0.4
TOT		1285	465	0.9	265	0.5	592	1.2	199	0.4

55 MALFORMACIONES POR HOSPITAL PERIODO 1982-2008 PARTE IX											
HOS		RED.L.AXI		RED.L.OTR		RED.COMB		SUBLUXAC		LUXACION	
		N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
101	3	3	0.2	1	0.0	4	0.3	80	6.9-	14	1.2
103	3	0	0.0	0	0.0	1	0.3	5	1.7-	6	2.0
105	3	0	0.0	0	0.0	0	0.0	1	1.4	0	0.0
107	2	0	0.0	0	0.0	1	1.1	17	19.9	0	0.0
108	2	0	0.0	0	0.0	0	0.0	6	9.7	1	1.6
109	2	1	1.5	0	0.0	0	0.0	0	0.0-	1	1.5
110	3	1	0.1	0	0.0	0	0.0	81	14.4	6	1.0
111	3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
112	1	0	0.0	0	0.0	0	0.0	1	3.9	0	0.0
113	1	0	0.0	0	0.0	0	0.0	1	6.1	0	0.0
114	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
115	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
116	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
201	1	2	0.2	0	0.0	4	0.5	207	27.6+	8	1.0
203	2	0	0.0	0	0.0	0	0.0	1	2.5	0	0.0
204	2	0	0.0	0	0.0	1	2.9	5	14.6	0	0.0
205	3	2	0.4	0	0.0	4	0.8	5	1.0-	0	0.0
206	1	0	0.0	0	0.0	0	0.0	10	40.3+	0	0.0
207	2	1	0.1	0	0.0	1	0.1	7	0.9-	1	0.1
208	2	0	0.0	0	0.0	0	0.0	20	13.4	1	0.6
209	1	0	0.0	0	0.0	0	0.0	5	5.0	2	2.0
210	2	0	0.0	0	0.0	2	0.3	14	2.6-	2	0.3
211	2	1	0.5	0	0.0	0	0.0	16	8.9	1	0.5
212	2	0	0.0	0	0.0	0	0.0	0	0.0-	0	0.0
213	1	0	0.0	0	0.0	0	0.0	13	12.2	0	0.0
214	1	1	1.0	0	0.0	1	1.0	1	1.0-	0	0.0
216	1	0	0.0	0	0.0	0	0.0	2	17.1	0	0.0
217	1	3	0.5	0	0.0	5	0.9	24	4.4-	3	0.5
218	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
219	1	0	0.0	0	0.0	2	0.9	46	21.7+	2	0.9
220	1	2	0.6	0	0.0	5	1.6	6	2.0-	2	0.6
221	1	4	1.0	1	0.2	1	0.2	6	1.5-	0	0.0
222	1	1	0.6	0	0.0	0	0.0	6	3.7-	0	0.0
223	1	0	0.0	0	0.0	0	0.0	9	2.5-	1	0.2
224	1	2	0.8	0	0.0	0	0.0	26	10.7	5	2.0
225	1	0	0.0	0	0.0	3	0.9	7	2.2-	1	0.3
226	1	0	0.0	0	0.0	0	0.0	10	23.9	0	0.0
227	1	1	0.4	0	0.0	0	0.0	1	0.4-	0	0.0
301	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
302	3	0	0.0	0	0.0	0	0.0	14	17.2	7	8.6+
303	1	2	0.4	0	0.0	1	0.2	58	13.5	6	1.4
308	1	1	0.2	0	0.0	3	0.7	128	31.9+	18	4.4+
318	3	6	0.4	3	0.2	16	1.1+	70	5.0-	27	1.9
319	2	0	0.0	0	0.0	0	0.0	135	115.1+	1	0.8
322	3	2	0.1	1	0.0	0	0.0	80	7.5-	0	0.0-
323	2	0	0.0	0	0.0	2	2.8	4	5.7	1	1.4
324	3	0	0.0	0	0.0	0	0.0	13	21.5	1	1.6
325	3	0	0.0	0	0.0	2	0.6	36	11.1	6	1.8
326	3	0	0.0	0	0.0	0	0.0	4	4.7	1	1.1
327	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
329	2	0	0.0	0	0.0	0	0.0	12	30.1	0	0.0
330	1	0	0.0	0	0.0	0	0.0	15	12.4	5	4.1+
331	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
332	1	1	0.6	0	0.0	0	0.0	23	15.8	3	2.0
333	1	0	0.0	0	0.0	0	0.0	5	3.6-	0	0.0
334	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
335	1	0	0.0	0	0.0	0	0.0	1	1.6	2	3.2
336	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
337	1	0	0.0	0	0.0	0	0.0	1	3.6	0	0.0
403	1	0	0.0	0	0.0	2	0.8	93	38.8+	10	4.1+
404	2	0	0.0	0	0.0	0	0.0	5	6.3	0	0.0
406	3	1	1.1	0	0.0	1	1.1	49	55.7+	2	2.2
407	3	1	0.1	2	0.2	0	0.0	185	22.0+	4	0.4
408	3	1	0.3	0	0.0	0	0.0	90	31.5+	2	0.7
409	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
411	2	0	0.0	0	0.0	0	0.0	7	38.3+	1	5.4
412	3	0	0.0	0	0.0	0	0.0	6	6.4	3	3.2
413	3	3	0.3	0	0.0	5	0.5	131	14.5	21	2.3+
414	3	0	0.0	0	0.0	1	0.2	159	45.6+	9	2.5
415	1	0	0.0	0	0.0	0	0.0	10	20.1	3	6.0
416	1	1	0.9	0	0.0	2	1.8	1	0.9-	0	0.0
417	1	0	0.0	0	0.0	0	0.0	0	0.0	1	1.9
418	1	0	0.0	0	0.0	3	1.8	0	0.0-	3	1.8
420	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
421	1	0	0.0	0	0.0	0	0.0	1	4.0	0	0.0



## PARTE IX (CONTINUACION)

HOS	RED.L.AXI		RED.L.OTR		RED.COMB		SUBLUXAC		LUXACION		
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	
422	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
423	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
501	1	4	0.3	0	0.0	3	0.2	88	7.6-	21	1.8
502	2	1	1.8	0	0.0	0	0.0	125	226.4+	2	3.6
503	3	0	0.0	0	0.0	2	0.5	59	14.6	9	2.2
504	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
505	1	0	0.0	0	0.0	0	0.0	1	3.6	0	0.0
506	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
510	1	0	0.0	0	0.0	16	3.4+	2	0.4-	1	0.2
601	3	2	0.6	0	0.0	0	0.0	16	5.1-	2	0.6
603	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
604	2	1	0.3	0	0.0	0	0.0	14	4.9-	1	0.3
605	1	1	0.2	0	0.0	0	0.0	46	11.9	2	0.5
607	3	0	0.0	1	0.5	2	1.1	29	16.8	2	1.1
608	2	0	0.0	0	0.0	0	0.0	3	2.1-	1	0.7
609	2	0	0.0	0	0.0	0	0.0	2	10.9	0	0.0
610	3	0	0.0	0	0.0	0	0.0	16	12.3	0	0.0
611	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
612	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
613	2	0	0.0	0	0.0	0	0.0	1	7.5	0	0.0
614	1	1	0.5	0	0.0	2	0.9	23	11.4	0	0.0
615	1	1	4.9	1	4.9+	0	0.0	0	0.0	0	0.0
616	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
617	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
703	2	1	0.1	0	0.0	3	0.4	44	6.0-	8	1.0
704	3	0	0.0	0	0.0	0	0.0	21	3.9-	4	0.7
801	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
803	3	9	0.3	1	0.0	19	0.7	156	5.7-	47	1.7
804	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
805	3	0	0.0	0	0.0	0	0.0	8	3.4-	1	0.4
806	2	0	0.0	0	0.0	0	0.0	0	0.0-	0	0.0
807	2	1	4.5	0	0.0	0	0.0	0	0.0	0	0.0
808	3	0	0.0	0	0.0	0	0.0	1	1.6	0	0.0
809	1	1	0.8	0	0.0	0	0.0	14	12.0	0	0.0
810	1	0	0.0	0	0.0	0	0.0	1	1.4	0	0.0
903	2	0	0.0	0	0.0	0	0.0	23	109.5+	0	0.0
906	1	0	0.0	0	0.0	0	0.0	6	7.5	1	1.2
907	3	0	0.0	0	0.0	0	0.0	4	5.2	3	3.9
908	3	0	0.0	0	0.0	1	1.4	3	4.4	2	2.9
909	2	0	0.0	0	0.0	0	0.0	10	19.2	0	0.0
911	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
913	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
914	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A02	3	0	0.0	0	0.0	4	0.9	86	19.7+	11	2.5
A04	1	1	0.1	0	0.0	10	0.9	343	33.6+	4	0.3
A05	3	1	0.7	0	0.0	3	2.3	21	16.4	11	8.6+
A06	2	0	0.0	0	0.0	0	0.0	24	29.6+	3	3.7
A07	3	2	0.8	0	0.0	2	0.8	25	10.8	3	1.3
A09	2	0	0.0	0	0.0	0	0.0	1	1.6	0	0.0
A10	1	2	0.3	2	0.3	0	0.0	76	14.8	6	1.1
A12	2	0	0.0	0	0.0	0	0.0	1	3.5	0	0.0
A13	2	0	0.0	1	1.4	0	0.0	24	35.4+	2	2.9
A14	3	1	0.2	0	0.0	0	0.0	453	113.7+	24	6.0+
A15	2	0	0.0	1	0.0	1	0.0	48	4.2-	6	0.5
A16	2	2	0.4	0	0.0	3	0.7	18	4.4-	1	0.2
A18	2	0	0.0	0	0.0	0	0.0	0	0.0-	0	0.0
A19	3	0	0.0	0	0.0	1	0.5	1	0.5-	2	1.0
A20	2	0	0.0	0	0.0	0	0.0	10	6.0	3	1.8
A21	2	0	0.0	1	0.4	0	0.0	30	12.0	3	1.2
A22	2	5	1.9+	0	0.0	4	1.5	131	51.2+	5	1.9
A24	2	0	0.0	0	0.0	1	0.3	12	3.8-	2	0.6
A25	3	1	0.1	0	0.0	9	1.0	180	20.6+	8	0.9
A26	2	0	0.0	0	0.0	0	0.0	25	132.8+	0	0.0
A27	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A28	2	1	0.2	0	0.0	1	0.2	218	58.2+	21	5.6+
A29	2	0	0.0	0	0.0	0	0.0	3	1.9-	0	0.0
A32	2	0	0.0	0	0.0	0	0.0	4	11.7	3	8.8+
A33	3	6	0.9+	2	0.3	12	1.8+	84	13.0	18	2.7+
A34	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A35	3	0	0.0	0	0.0	1	0.8	11	9.0	2	1.6
A36	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A37	3	0	0.0	0	0.0	0	0.0	0	0.0-	1	0.9
A38	3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A39	3	1	0.2	0	0.0	11	2.4+	60	13.4	4	0.8

## PARTE IX (CONTINUACION)

HOS		RED.L.AXI		RED.L.OTR		RED.COMB		SUBLUXAC		LUXACION	
		N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
A40	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A41	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A42	2	0	0.0	0	0.0	1	2.3	0	0.0	1	2.3
A43	3	1	0.1	0	0.0	0	0.0	62	9.2-	1	0.1
A44	3	0	0.0	0	0.0	0	0.0	25	23.7+	0	0.0
A45	1	0	0.0	0	0.0	1	0.8	11	9.8	1	0.8
A46	1	1	1.2	1	1.2	0	0.0	17	21.1	5	6.2+
A47	1	2	1.1	0	0.0	2	1.1	96	56.9+	1	0.5+
A49	2	0	0.0	0	0.0	0	0.0	4	5.5	1	1.3
A50	1	0	0.0	0	0.0	0	0.0	88	51.7+	3	1.7
A51	1	1	0.1	0	0.0	0	0.0	145	27.0+	3	0.5
A52	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A53	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A55	1	0	0.0	0	0.0	0	0.0	1	21.3	0	0.0
A56	1	3	0.5	1	0.1	13	2.5+	103	19.7+	9	1.7
A57	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A58	1	0	0.0	0	0.0	0	0.0	1	25.1	0	0.0
A59	1	0	0.0	0	0.0	0	0.0	0	0.0-	0	0.0
A60	1	0	0.0	0	0.0	0	0.0	1	0.9-	1	0.9
A61	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A62	1	1	1.0	0	0.0	0	0.0	4	4.0	0	0.0
B01	1	4	0.4	0	0.0	9	0.9	152	16.3	1	0.1-
B02	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
B04	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
B07	3	0	0.0	0	0.0	0	0.0	8	4.1-	0	0.0
B08	3	0	0.0	0	0.0	0	0.0	8	6.3	0	0.0
B10	1	1	0.3	2	0.6	0	0.0	15	4.6-	1	0.3
C02	3	0	0.0	0	0.0	1	0.2	58	15.0	9	2.3
C03	2	0	0.0	0	0.0	0	0.0	40	11.7	7	2.0
D01	3	0	0.0	1	0.1	1	0.1	39	6.5-	2	0.3
D02	2	0	0.0	0	0.0	0	0.0	163	37.9+	10	2.3
D03	1	0	0.0	0	0.0	0	0.0	7	6.4	0	0.0
E01	3	0	0.0	0	0.0	2	0.7	46	17.2	5	1.8
E02	3	0	0.0	0	0.0	0	0.0	30	11.8	3	1.1
E03	2	0	0.0	0	0.0	0	0.0	3	0.6-	3	0.6
E04	1	0	0.0	0	0.0	0	0.0	11	10.2	1	0.9
E05	1	0	0.0	1	3.1	0	0.0	0	0.0	0	0.0
E06	1	0	0.0	0	0.0	0	0.0	46	543.0	2	23.6
E07	1	0	0.0	0	0.0	1	7.5	2	15.1	0	0.0
E08	1	0	0.0	0	0.0	0	0.0	8	6.6	3	2.5
E09	1	0	0.0	0	0.0	0	0.0	2	1.3	3	1.9
E10	1	0	0.0	0	0.0	5	2.2	39	17.2	1	0.4
E11	1	0	0.0	0	0.0	3	8.3	12	33.3	2	5.5
E12	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
F01	1	1	0.0	0	0.0	1	0.0	116	6.0	10	0.5
F02	1	2	0.2	0	0.0	4	0.5	61	8.8	2	0.2
F04	1	0	0.0	0	0.0	0	0.0	1	1.2	0	0.0
F05	1	6	0.4	1	0.0	6	0.4	101	6.7	3	0.2
F07	1	2	1.0	0	0.0	0	0.0	0	0.0	2	1.0
G01	1	0	0.0	0	0.0	0	0.0	10	7.8	1	0.7
G02	2	0	0.0	0	0.0	2	2.8	12	16.8	1	1.4
G03	3	0	0.0	0	0.0	0	0.0	0	0.0	1	2.4
G04	2	0	0.0	0	0.0	0	0.0	2	19.7	0	0.0
G05	2	0	0.0	0	0.0	0	0.0	8	9.4	0	0.0
G06	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
G08	3	1	0.6	0	0.0	0	0.0	38	23.0	1	0.6
G09	2	1	0.5	0	0.0	0	0.0	8	4.6	2	1.1
G11	1	1	0.5	0	0.0	4	2.0	32	16.0	2	1.0
G12	1	0	0.0	1	1.0	2	2.1	15	15.9	0	0.0
G13	1	1	2.4	0	0.0	1	2.4	13	31.8	1	2.4
G14	1	0	0.0	0	0.0	0	0.0	5	28.8	0	0.0
G15	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
G16	1	0	0.0	0	0.0	5	5.2	12	12.4	0	0.0
G17	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
G18	1	0	0.0	0	0.0	0	0.0	1	6.6	0	0.0
G19	1	1	0.2	0	0.0	2	0.5	13	3.7	1	0.2
G20	1	0	0.0	0	0.0	3	5.0	5	8.4	1	1.6
G21	1	0	0.0	0	0.0	0	0.0	1	13.6	0	0.0
H01	2	0	0.0	0	0.0	0	0.0	108	43.7	11	4.4
H02	2	0	0.0	0	0.0	0	0.0	7	6.5	1	0.9
H03	2	0	0.0	0	0.0	0	0.0	19	73.0	3	11.5
MON		26	0.1	9	0.0	56	0.3	3022	17.0	270	1.5
ECL		94	0.3	17	0.0	197	0.6	3396	11.0	296	0.9
TOT		120	0.2	26	0.0	253	0.5	6418	13.2	566	1.1

55 MALFORMACIONES POR HOSPITAL PERIODO 1982-2008 PARTE X											
HOS	ARTROGRIP		HERN.DIAF		DEF.M.ABD		PECTORALS		BRIDAS		
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	
101	3	16	1.3	30	2.6	3	0.2	11	0.9	10	0.8
103	3	1	0.3	3	1.0	0	0.0	0	0.0	2	0.7
105	3	1	1.4	0	0.0	0	0.0	0	0.0	0	0.0
107	2	1	1.1	1	1.1	0	0.0	3	3.5	2	2.3
108	2	0	0.0	0	0.0	0	0.0	1	1.6	0	0.0
109	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
110	3	3	0.5	15	2.6	2	0.3	2	0.3	1	0.1
111	3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
112	1	0	0.0	1	3.9	0	0.0	0	0.0	0	0.0
113	1	1	6.1	2	12.2	0	0.0	0	0.0	1	6.1
114	1	0	0.0	2	5.5	0	0.0	0	0.0	0	0.0
115	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
116	1	0	0.0	1	4.0	0	0.0	0	0.0	0	0.0
201	1	20	2.6	43	5.7+	7	0.9	6	0.8	2	0.2
203	2	0	0.0	1	2.5	0	0.0	0	0.0	1	2.5
204	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
205	3	4	0.8	19	3.8	7	1.4	0	0.0	0	0.0
206	1	3	12.1+	7	28.2+	0	0.0	0	0.0	0	0.0
207	2	5	0.6	29	3.7	5	0.6	2	0.2	5	0.6
208	2	5	3.3	9	6.0	2	1.3	1	0.6	0	0.0
209	1	0	0.0	5	5.0	0	0.0	1	1.0	0	0.0
210	2	13	2.4	18	3.3	7	1.3	2	0.3	3	0.5
211	2	2	1.1	7	3.9	2	1.1	2	1.1	2	1.1
212	2	0	0.0	1	1.5	0	0.0	0	0.0	0	0.0
213	1	5	4.7	4	3.7	3	2.8	2	1.8	3	2.8
214	1	1	1.0	3	3.1	1	1.0	1	1.0	0	0.0
216	1	1	8.5	0	0.0	0	0.0	0	0.0	0	0.0
217	1	9	1.6	18	3.3	1	0.1	1	0.1	5	0.9
218	2	0	0.0	1	2.1	0	0.0	0	0.0	0	0.0
219	1	3	1.4	3	1.4	0	0.0	3	1.4	0	0.0
220	1	2	0.6	13	4.3	3	1.0	2	0.6	2	0.6
221	1	16	4.0+	21	5.3+	2	0.5	3	0.7	2	0.5
222	1	2	1.2	4	2.5	0	0.0	0	0.0	2	1.2
223	1	1	0.2	18	5.0	2	0.5	0	0.0	1	0.2
224	1	4	1.6	16	6.6+	1	0.4	0	0.0	3	1.2
225	1	5	1.5	5	1.5	2	0.6	1	0.3	0	0.0
226	1	2	4.7	2	4.7	1	2.4	0	0.0	0	0.0
227	1	2	0.8	3	1.2	0	0.0	0	0.0	2	0.8
301	1	0	0.0	1	2.9	1	2.9	0	0.0	0	0.0
302	3	1	1.2	1	1.2	0	0.0	2	2.4	0	0.0
303	1	5	1.1	7	1.6	3	0.7	18	4.2+	10	2.3+
308	1	6	1.5	8	2.0	1	0.2	6	1.5	4	1.0
318	3	84	6.0+	69	4.9+	23	1.6+	13	0.9	24	1.7+
319	2	2	1.7	1	0.8	0	0.0	1	0.8	0	0.0
322	3	10	0.9	24	2.2	2	0.1	1	0.0	5	0.4
323	2	0	0.0	2	2.8	0	0.0	1	1.4	0	0.0
324	3	1	1.6	3	4.9	0	0.0	1	1.6	1	1.6
325	3	6	1.8	13	4.0	2	0.6	12	3.7+	2	0.6
326	3	1	1.1	2	2.3	0	0.0	0	0.0	0	0.0
327	2	0	0.0	0	0.0	0	0.0	1	4.4	0	0.0
329	2	0	0.0	2	5.0	0	0.0	0	0.0	0	0.0
330	1	4	3.3	6	4.9	0	0.0	0	0.0	0	0.0
331	1	0	0.0	1	6.6	0	0.0	0	0.0	0	0.0
332	1	0	0.0	6	4.1	1	0.6	1	0.6	3	2.0
333	1	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0
334	1	0	0.0	3	5.8	0	0.0	0	0.0	0	0.0
335	1	0	0.0	2	3.2	1	1.6	0	0.0	0	0.0
336	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
337	1	1	3.6	0	0.0	1	3.6	0	0.0	1	3.6
403	1	2	0.8	3	1.2	1	0.4	4	1.6	2	0.8
404	2	0	0.0	2	2.5	2	2.5	1	1.2	0	0.0
406	3	2	2.2	6	6.8	1	1.1	0	0.0	1	1.1
407	3	15	1.7	28	3.3	10	1.1	8	0.9	3	0.3
408	3	1	0.3	6	2.1	2	0.7	1	0.3	1	0.3
409	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
411	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
412	3	1	1.0	1	1.0	1	1.0	0	0.0	0	0.0
413	3	28	3.1+	35	3.8	6	0.6	12	1.3+	12	1.3
414	3	5	1.4	13	3.7	0	0.0	5	1.4	2	0.5
415	1	2	4.0	0	0.0	0	0.0	1	2.0	0	0.0
416	1	1	0.9	3	2.7	0	0.0	0	0.0	0	0.0
417	1	0	0.0	1	1.9	0	0.0	0	0.0	0	0.0
418	1	1	0.6	7	4.3	1	0.6	2	1.2	1	0.6
420	1	1	12.5	2	25.1	0	0.0	0	0.0	0	0.0
421	1	0	0.0	1	4.0	0	0.0	0	0.0	0	0.0

## PARTE X (CONTINUACION)

HOS	ARTROGRIP		HERN.DIAF		DEF.M.ABD		PECTORALS		BRIDAS	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
422	1	0	0	0.0	0	0.0	0	0.0	0	0.0
423	1	0	0	0.0	0	0.0	0	0.0	0	0.0
501	1	38	45	3.2+	16	1.3	15	1.3+	19	1.6+
502	2	0	2	3.6	1	1.8	0	0.0	0	0.0
503	3	7	8	1.7	1	0.2	1	0.2	2	0.5
504	2	0	0	0.0	0	0.0	0	0.0	0	0.0
505	1	0	0	0.0	0	0.0	0	0.0	0	0.0
506	1	0	0	0.0	0	0.0	0	0.0	1	3.7
510	1	14	22	3.0	5	1.0	1	0.2	2	0.4
601	3	6	12	1.9	3	0.9	4	1.2	1	0.3
603	2	0	0	0.0	0	0.0	0	0.0	0	0.0
604	2	5	9	3.1	5	1.7	3	1.0	1	0.3
605	1	1	0	0.2	2	0.5	2	0.5	0	0.0
607	3	1	2	0.5	2	1.1	0	0.0	0	0.0
608	2	1	4	0.7	1	2.8	2	1.4	2	1.4
609	2	0	0	0.0	1	5.4	0	0.0	0	0.0
610	3	1	2	0.7	0	1.5	0	0.0	1	0.7
611	2	0	0	0.0	0	0.0	0	0.0	0	0.0
612	2	0	0	0.0	0	0.0	0	0.0	0	0.0
613	2	0	0	0.0	0	0.0	0	0.0	0	0.0
614	1	0	4	1.9	1	0.5	4	1.9	0	0.0
615	1	0	1	0.0	0	4.9	0	0.0	0	0.0
616	1	0	1	0.0	0	9.9	0	0.0	0	0.0
617	1	0	0	0.0	0	0.0	0	0.0	0	0.0
703	2	5	6	0.6	2	0.2	2	0.2	9	1.2
704	3	15	14	2.8	1	0.1	2	0.3	5	0.9
801	2	0	0	0.0	0	0.0	0	0.0	0	0.0
803	3	54	86	1.9	18	0.6	37	1.3+	26	0.9
804	2	0	0	0.0	0	0.0	1	12.0	0	0.0
805	3	3	2	1.3	1	0.8	3	1.3	0	0.0
806	2	0	1	0.0	0	1.2	0	0.0	0	0.0
807	2	0	0	0.0	0	0.0	0	0.0	0	0.0
808	3	0	0	0.0	0	0.0	0	0.0	0	0.0
809	1	2	5	1.7	1	4.3	0	0.0	0	0.0
810	1	1	1	1.4	0	1.4	0	0.0	0	0.0
903	2	0	1	0.0	0	4.7	1	4.7	1	4.7
906	1	8	5	10.0+	0	6.2	2	2.5	0	0.0
907	3	6	2	7.9+	0	2.6	0	0.0	2	2.6
908	3	2	1	2.9+	0	1.4	0	0.0	0	0.0
909	2	1	2	1.9	1	3.8	1	1.9	0	0.0
911	1	0	0	0.0	0	0.0	0	0.0	0	0.0
913	1	1	5	4.6	23	3.3+	0	0.0	0	0.0
914	1	0	1	0.0	40	0.0+	0	0.0	0	0.0
A02	3	9	18	2.0	7	4.1	0	0.0	8	1.8
A04	1	14	41	1.3	6	4.0	1	0.1	3	0.2
A05	3	3	10	2.3	4	7.8+	0	0.0	2	1.5
A06	2	1	0	1.2	0	0.0	0	0.0	0	0.0
A07	3	6	11	2.5	3	4.7	0	0.0	2	0.8
A09	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A10	1	17	16	3.3	4	3.1	2	0.3	2	0.3
A12	2	0	0	0.0	1	0.0	0	0.0	0	0.0
A13	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A14	3	2	6	0.5	0	1.5	9	2.2+	0	0.0
A15	2	7	7	0.6-	3	0.6-	3	0.2	3	0.2
A16	2	2	0	0.4	2	0.0-	0	0.0	1	0.2
A18	2	0	0	0.0	1	1.3	0	0.0	0	0.0
A19	3	2	3	1.0	0	1.6	0	0.0	2	1.0
A20	2	0	1	0.0	0	0.6	0	0.0	0	0.0
A21	2	2	7	0.8	3	2.8	1	0.4	5	2.0
A22	2	2	6	0.7	4	2.3	0	0.0	1	0.3
A24	2	1	3	0.3	2	0.9	0	0.0	0	0.0
A25	3	19	38	2.1	13	4.3+	2	0.2	9	1.0
A26	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A27	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A28	2	4	10	1.0	2	2.6	0	0.5	2	0.5
A29	2	0	1	0.0	0	0.6	0	0.0	0	0.0
A32	2	1	0	2.9	0	0.0	0	0.0	0	0.0
A33	3	95	59	14.7+	21	9.1+	1	3.2+	16	2.4+
A34	2	0	0	0.0	1	0.0	0	0.0	0	0.0
A35	3	3	3	2.4	1	2.4	0	0.0	3	2.4
A36	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A37	3	0	0	0.0	0	0.0	0	0.0	0	0.0
A38	3	0	0	0.0	0	0.0	0	0.0	0	0.0
A39	3	33	58	7.3+	29	12.9+	2	6.4+	21	4.7+

## PARTE X (CONTINUACION)

HOS	ARTROGRIP		HERN.DIAF		DEF.M.ABD		PECTORALS		BRIDAS	
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
A40	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A41	2	0	0	0.0	0	0.0	0	0.0	0	0.0
A42	2	1	0	0.0	0	0.0	0	0.0	0	0.0
A43	3	15	16	2.3	3	0.4	2	0.3	4	0.6
A44	3	3	0	0.0	0	0.0	0	0.0	1	0.9
A45	1	3	2	1.7	1	0.8	0	0.0	1	0.8
A46	1	20	12	14.9+	7	8.7+	0	0.0	3	3.7
A47	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A49	2	2	4	5.5	0	0.0	0	0.0	1	1.3
A50	1	5	7	4.1	3	1.7	0	0.0	3	1.7
A51	1	13	7	1.3	1	0.1	0	0.0	9	1.6
A52	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A53	1	1	0	0.0	0	0.0	0	0.0	0	0.0
A55	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A56	1	7	10	1.9	12	2.3+	0	0.0	3	0.5
A57	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A58	1	0	0	0.0	0	0.0	0	0.0	0	0.0
A59	1	0	0	0.0	0	0.0	3	4.9+	0	0.0
A60	1	2	2	1.8	0	0.0	0	0.0	1	0.9
A61	1	0	1	22.2	0	0.0	0	0.0	0	0.0
A62	1	1	3	3.0	1	1.0	0	0.0	1	1.0
B01	1	18	5	0.5-	7	0.7	0	0.0	17	1.8+
B02	2	0	0	0.0	0	0.0	0	0.0	0	0.0
B04	2	0	0	0.0	0	0.0	0	0.0	0	0.0
B07	3	1	1	0.5	1	0.5	0	0.0	0	0.0
B08	3	1	4	3.1	1	0.7	0	0.0	3	2.3
B10	1	1	3	0.9	2	0.6	1	0.3	1	0.3
C02	3	0	2	0.5	0	0.0	2	0.5	0	0.0
C03	2	0	5	1.4	0	0.0	0	0.0	2	0.5
D01	3	4	9	1.5	3	0.5	0	0.0	3	0.5
D02	2	2	3	0.7	2	0.4	0	0.0	3	0.7
D03	1	2	1	0.9	0	0.0	0	0.0	0	0.0
E01	3	0	11	4.1	0	0.0	1	0.3	0	0.0
E02	3	3	3	1.1	4	1.5	1	0.3	4	1.5
E03	2	4	0	0.0-	1	0.2	0	0.0	2	0.4
E04	1	2	2	1.8	0	0.0	0	0.0	0	0.0
E05	1	0	0	0.0	0	0.0	0	0.0	0	0.0
E06	1	0	1	11.8	0	0.0	0	0.0	0	0.0
E07	1	0	0	0.0	0	0.0	0	0.0	0	0.0
E08	1	1	4	3.3	0	0.0	0	0.0	0	0.0
E09	1	1	6	3.9	0	0.0	1	0.6	1	0.6
E10	1	0	0	0.0	0	0.0	0	0.0	1	0.4
E11	1	0	0	0.0	0	0.0	0	0.0	0	0.0
E12	1	0	0	0.0	0	0.0	0	0.0	0	0.0
F01	1	24	17	0.8	6	0.3	4	0.2	14	0.7
F02	1	5	14	2.0	4	0.5	1	0.1	8	1.1
F04	1	0	1	1.2	1	1.2	0	0.0	0	0.0
F05	1	26	11	0.7	11	0.7	9	0.6	15	1.0
F07	1	2	0	0.0	0	0.0	0	0.0	3	1.5
G01	1	1	1	0.7	1	0.7	0	0.0	2	1.5
G02	2	0	0	0.0	0	0.0	0	0.0	0	0.0
G03	3	0	0	0.0	0	0.0	0	0.0	1	2.4
G04	2	0	0	0.0	0	0.0	0	0.0	0	0.0
G05	2	0	4	4.7	1	1.1	0	0.0	0	0.0
G06	2	0	0	0.0	0	0.0	0	0.0	0	0.0
G08	3	0	1	0.6	2	1.2	1	0.6	2	1.2
G09	2	1	4	2.3	1	0.5	1	0.5	3	1.7
G11	1	3	6	3.0	0	0.0	0	0.0	3	1.5
G12	1	0	2	2.1	0	0.0	0	0.0	0	0.0
G13	1	0	1	2.4	0	0.0	0	0.0	0	0.0
G14	1	0	0	0.0	0	0.0	0	0.0	1	5.7
G15	1	0	0	0.0	0	0.0	0	0.0	0	0.0
G16	1	1	0	0.0	0	0.0	0	0.0	0	0.0
G17	1	0	0	0.0	0	0.0	0	0.0	0	0.0
G18	1	2	1	6.6	0	0.0	0	0.0	0	0.0
G19	1	4	14	4.0	8	2.3	0	0.0	12	3.4
G20	1	0	0	0.0	0	0.0	0	0.0	1	1.6
G21	1	0	0	0.0	0	0.0	0	0.0	0	0.0
H01	2	1	3	1.2	1	0.4	0	0.0	0	0.0
H02	2	1	0	0.0	0	0.0	0	0.0	0	0.0
H03	2	0	4	15.3	0	0.0	0	0.0	0	0.0
MON		157	327	1.8	111	0.6	81	0.4	87	0.4
ECL		733	988	3.2	253	0.8	183	0.5	316	1.0
TOT		890	1315	2.7	364	0.7	264	0.5	403	0.8

55 MALFORMACIONES POR HOSPITAL PERIODO 1982-2008 PARTE XI											
HOS		DOWN		SIAMESES		CICLOPIA		SIRENOMEL		ACARDIOCF	
		N	TASA	N	TASA	N	TASA	N	TASA	N	TASA
101	3	183	15.8	1	0.0	9	0.7+	1	0.0	0	0.0
103	3	53	18.4	0	0.0	1	0.3	0	0.0	0	0.0
105	3	10	14.4	0	0.0	0	0.0	0	0.0	0	0.0
107	2	20	23.4	0	0.0	1	1.1	0	0.0	0	0.0
108	2	4	6.4	0	0.0	0	0.0	0	0.0	0	0.0
109	2	7	10.9	0	0.0	0	0.0	0	0.0	0	0.0
110	3	67	11.9-	0	0.0	1	0.1	1	0.1	0	0.0
111	3	2	7.6	0	0.0	0	0.0	0	0.0	0	0.0
112	1	4	15.8	0	0.0	0	0.0	0	0.0	0	0.0
113	1	0	0.0	0	0.0	1	6.1	0	0.0	0	0.0
114	1	3	8.2	0	0.0	0	0.0	0	0.0	0	0.0
115	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
116	1	5	20.1	0	0.0	0	0.0	0	0.0	0	0.0
201	1	174	23.2+	3	0.4	3	0.4	2	0.2	0	0.0
203	2	4	10.1	0	0.0	0	0.0	0	0.0	0	0.0
204	2	5	14.6	0	0.0	1	2.9	0	0.0	0	0.0
205	3	97	19.6	1	0.2	5	1.0	0	0.0	1	0.2
206	1	10	40.3	0	0.0	0	0.0	0	0.0	0	0.0
207	2	139	18.1	0	0.0	3	0.3	2	0.2	0	0.0
208	2	24	16.1	1	0.6	0	0.0	0	0.0	0	0.0
209	1	11	11.1	0	0.0	0	0.0	0	0.0	0	0.0
210	2	83	15.5	0	0.0	1	0.1	0	0.0	2	0.3
211	2	44	24.5	0	0.0	0	0.0	0	0.0	0	0.0
212	2	15	23.3	0	0.0	0	0.0	0	0.0	0	0.0
213	1	22	20.7	0	0.0	0	0.0	0	0.0	0	0.0
214	1	22	22.7	0	0.0	0	0.0	0	0.0	0	0.0
216	1	2	17.1	0	0.0	0	0.0	0	0.0	0	0.0
217	1	151	27.7+	2	0.3	1	0.1	5	0.9+	1	0.1
218	2	11	23.0	0	0.0	0	0.0	0	0.0	0	0.0
219	1	49	23.1	0	0.0	0	0.0	0	0.0	0	0.0
220	1	57	19.1	0	0.0	0	0.0	1	0.3	0	0.0
221	1	96	24.3+	0	0.0	0	0.0	1	0.2	0	0.0
222	1	44	27.7+	0	0.0	0	0.0	0	0.0	0	0.0
223	1	87	24.5+	0	0.0	1	0.2	0	0.0	2	0.5
224	1	52	21.4	2	0.8	0	0.0	1	0.4	0	0.0
225	1	87	27.3+	0	0.0	1	0.3	1	0.3	0	0.0
226	1	9	21.5	0	0.0	0	0.0	0	0.0	0	0.0
227	1	38	16.1	0	0.0	0	0.0	0	0.0	0	0.0
301	1	11	32.6	0	0.0	0	0.0	0	0.0	0	0.0
302	3	24	29.6+	0	0.0	0	0.0	0	0.0	0	0.0
303	1	92	21.5	2	0.4	1	0.2	0	0.0	0	0.0
308	1	72	17.9	0	0.0	0	0.0	0	0.0	0	0.0
318	3	340	24.4+	5	0.3	6	0.4	6	0.4	6	0.4+
319	2	29	24.7	0	0.0	1	0.8	0	0.0	0	0.0
322	3	155	14.6	4	0.3	2	0.1	1	0.0	1	0.0
323	2	10	14.2	0	0.0	0	0.0	0	0.0	0	0.0
324	3	13	21.5	0	0.0	0	0.0	0	0.0	1	1.6
325	3	65	20.1	0	0.0	1	0.3	0	0.0	1	0.3
326	3	16	18.8	0	0.0	1	1.1	2	2.3	1	1.1
327	2	3	13.2	0	0.0	0	0.0	0	0.0	0	0.0
329	2	7	17.5	0	0.0	0	0.0	0	0.0	0	0.0
330	1	25	20.7	0	0.0	0	0.0	2	1.6	0	0.0
331	1	3	19.8	0	0.0	0	0.0	0	0.0	0	0.0
332	1	31	21.4	1	0.6	1	0.6	0	0.0	0	0.0
333	1	23	16.9	0	0.0	0	0.0	0	0.0	0	0.0
334	1	3	5.8	0	0.0	0	0.0	0	0.0	0	0.0
335	1	10	16.2	0	0.0	0	0.0	0	0.0	0	0.0
336	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
337	1	5	18.4	0	0.0	0	0.0	0	0.0	0	0.0
403	1	45	18.8	2	0.8	0	0.0	0	0.0	0	0.0
404	2	4	5.0	0	0.0	0	0.0	0	0.0	0	0.0
406	3	22	25.0	0	0.0	1	1.1	0	0.0	0	0.0
407	3	162	19.2	3	0.3	4	0.4	0	0.0	0	0.0
408	3	42	14.7	0	0.0	0	0.0	0	0.0	0	0.0
409	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
411	2	1	5.4	0	0.0	0	0.0	0	0.0	0	0.0
412	3	14	15.0	2	2.1	0	0.0	0	0.0	0	0.0
413	3	161	17.8	0	0.0	0	0.0	2	0.2	0	0.0
414	3	81	23.2	0	0.0	0	0.0	1	0.2	0	0.0
415	1	11	22.1	0	0.0	0	0.0	0	0.0	0	0.0
416	1	26	23.7	0	0.0	0	0.0	0	0.0	0	0.0
417	1	8	15.3	0	0.0	0	0.0	0	0.0	0	0.0
418	1	29	18.0	0	0.0	0	0.0	0	0.0	1	0.6
420	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
421	1	6	24.4	0	0.0	0	0.0	0	0.0	0	0.0

## PARTE XI (CONTINUACION)

HOS	DOWN		SIAMESES		CICLOPIA		SIRENOMEL		ACARDIOCF		
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	
422	1	3	15.5	0	0.0	0	0.0	0	0.0	0	0.0
423	1	3	15.7	0	0.0	0	0.0	0	0.0	0	0.0
501	1	237	20.5	6	0.5	2	0.1	3	0.2	1	0.0
502	2	7	12.6	0	0.0	0	0.0	0	0.0	0	0.0
503	3	77	19.1	1	0.2	0	0.0	1	0.2	0	0.0
504	2	1	13.1	0	0.0	0	0.0	0	0.0	0	0.0
505	1	2	7.2	0	0.0	0	0.0	0	0.0	0	0.0
506	1	3	11.3	0	0.0	0	0.0	0	0.0	0	0.0
510	1	99	21.4	2	0.4	3	0.6	3	0.6	1	0.2
601	3	49	15.7	0	0.0	1	0.3	0	0.0	0	0.0
603	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
604	2	58	20.3	0	0.0	2	0.7	1	0.3	0	0.0
605	1	51	13.2	1	0.2	0	0.0	2	0.5	0	0.0
607	3	38	22.0	0	0.0	0	0.0	0	0.0	1	0.5
608	2	27	18.9	0	0.0	1	0.7	0	0.0	0	0.0
609	2	2	10.9	0	0.0	0	0.0	0	0.0	0	0.0
610	3	32	24.7	0	0.0	0	0.0	0	0.0	0	0.0
611	2	2	9.4	0	0.0	0	0.0	0	0.0	0	0.0
612	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
613	2	1	7.5	0	0.0	0	0.0	0	0.0	0	0.0
614	1	31	15.3	1	0.5	0	0.0	0	0.0	0	0.0
615	1	4	19.7	0	0.0	0	0.0	0	0.0	0	0.0
616	1	1	9.9	0	0.0	0	0.0	0	0.0	0	0.0
617	1	4	14.0	0	0.0	0	0.0	0	0.0	0	0.0
703	2	107	14.6	1	0.1	1	0.1	0	0.0	0	0.0
704	3	115	21.8	3	0.5	2	0.3	3	0.5	0	0.0
801	2	4	20.2	0	0.0	0	0.0	0	0.0	0	0.0
803	3	500	18.4	4	0.1	6	0.2	5	0.1	5	0.1
804	2	5	60.4+	0	0.0	0	0.0	0	0.0	0	0.0
805	3	30	13.0	0	0.0	3	1.3	1	0.4	0	0.0
806	2	14	17.3	0	0.0	0	0.0	1	1.2	0	0.0
807	2	4	18.1	0	0.0	0	0.0	0	0.0	0	0.0
808	3	4	6.6	0	0.0	0	0.0	0	0.0	0	0.0
809	1	23	19.8	1	0.8	0	0.0	0	0.0	0	0.0
810	1	7	10.1	0	0.0	0	0.0	0	0.0	0	0.0
903	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
906	1	15	18.7	0	0.0	0	0.0	0	0.0	0	0.0
907	3	10	13.2	0	0.0	0	0.0	1	1.3	0	0.0
908	3	7	10.3	0	0.0	0	0.0	0	0.0	0	0.0
909	2	8	15.4	0	0.0	0	0.0	0	0.0	0	0.0
911	1	1	8.4	0	0.0	0	0.0	0	0.0	0	0.0
913	1	5	23.3	0	0.0	0	0.0	0	0.0	0	0.0
914	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A02	3	62	14.2	0	0.0	6	1.3+	0	0.0	0	0.0
A04	1	131	12.8-	4	0.3	0	0.0	4	0.3	2	0.2
A05	3	22	17.2	3	2.3+	3	2.3+	2	1.5	0	0.0
A06	2	6	7.4	0	0.0	0	0.0	0	0.0	0	0.0
A07	3	23	9.9	3	1.3	1	0.4	1	0.4	0	0.0
A09	2	5	8.2	0	0.0	0	0.0	0	0.0	0	0.0
A10	1	130	25.3+	3	0.5	2	0.3	2	0.3	1	0.2
A12	2	1	3.5	0	0.0	0	0.0	0	0.0	0	0.0
A13	2	5	7.3	0	0.0	2	2.9	0	0.0	1	1.4
A14	3	46	11.5	1	0.2	1	0.2	0	0.0	0	0.0
A15	2	108	9.6-	5	0.4	2	0.1	1	0.0	1	0.0
A16	2	57	14.0	2	0.4	2	0.4	0	0.0	0	0.0
A18	2	9	11.9	2	2.6	0	0.0	0	0.0	0	0.0
A19	3	19	10.1	0	0.0	0	0.0	0	0.0	0	0.0
A20	2	14	8.4	0	0.0	0	0.0	0	0.0	0	0.0
A21	2	32	12.8	0	0.0	2	0.8	0	0.0	0	0.0
A22	2	43	16.8	1	0.3	3	1.1	1	0.3	0	0.0
A24	2	48	15.2	1	0.3	1	0.3	2	0.6	0	0.0
A25	3	151	17.3	3	0.3	1	0.1	6	0.6	1	0.1
A26	2	2	10.6	0	0.0	0	0.0	0	0.0	0	0.0
A27	2	3	15.1	0	0.0	0	0.0	0	0.0	0	0.0
A28	2	48	12.8	0	0.0	2	0.5	1	0.2	0	0.0
A29	2	10	6.3-	0	0.0	0	0.0	0	0.0	0	0.0
A32	2	5	14.6	0	0.0	1	2.9	0	0.0	0	0.0
A33	3	163	25.2+	14	2.1+	9	1.3+	6	0.9+	4	0.6+
A34	2	4	8.9	0	0.0	0	0.0	0	0.0	0	0.0
A35	3	16	13.1	0	0.0	0	0.0	0	0.0	0	0.0
A36	2	2	21.8	0	0.0	0	0.0	0	0.0	0	0.0
A37	3	5	4.8-	0	0.0	0	0.0	0	0.0	0	0.0
A38	3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A39	3	118	26.3+	6	1.3+	3	0.6	2	0.4	3	0.6

## PARTE XI (CONTINUACION)

HOS	DOWN		SIAMESES		CICLOPIA		SIRENOMEL		ACARDIOCF		
	N	TASA	N	TASA	N	TASA	N	TASA	N	TASA	
A40	2	0	0.0	2	18.5+	0	0.0	0	0.0	0	0.0
A41	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
A42	2	3	7.0	0	0.0	1	2.3	0	0.0	0	0.0
A43	3	103	15.3	4	0.6	1	0.1	1	0.1	1	0.1
A44	3	5	4.7-	1	0.9	1	0.9	0	0.0	1	0.9
A45	1	17	15.1	1	0.8	1	0.8	0	0.0	0	0.0
A46	1	18	22.4	0	0.0	3	3.7+	0	0.0	1	1.2
A47	1	30	17.8	0	0.0	0	0.0	1	0.5	0	0.0
A49	2	11	15.2	0	0.0	0	0.0	0	0.0	0	0.0
A50	1	24	14.1	1	0.5	1	0.5	0	0.0	0	0.0
A51	1	63	11.7-	1	0.1	0	0.0	1	0.1	0	0.0
A52	1	6	18.7	0	0.0	0	0.0	0	0.0	0	0.0
A53	1	5	19.1	0	0.0	0	0.0	0	0.0	0	0.0
A55	1	1	21.3	0	0.0	0	0.0	0	0.0	0	0.0
A56	1	70	13.4	3	0.5	1	0.1	1	0.1	0	0.0
A57	1	1	10.3	0	0.0	0	0.0	0	0.0	0	0.0
A58	1	1	25.1	0	0.0	0	0.0	0	0.0	0	0.0
A59	1	18	29.5	0	0.0	2	3.2	1	1.6	1	1.6
A60	1	16	14.8	0	0.0	0	0.0	0	0.0	1	0.9
A61	1	1	22.2	0	0.0	0	0.0	0	0.0	0	0.0
A62	1	9	9.1	8	8.1+	0	0.0	0	0.0	0	0.0
B01	1	129	13.8	0	0.0	4	0.4	7	0.7+	0	0.0
B02	2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
B04	2	2	8.0	0	0.0	0	0.0	0	0.0	0	0.0
B07	3	22	11.4	0	0.0	0	0.0	0	0.0	0	0.0
B08	3	14	11.0	0	0.0	0	0.0	1	0.7	0	0.0
B10	1	51	15.9	1	0.3	1	0.3	2	0.6	0	0.0
C02	3	59	15.2	0	0.0	1	0.2	0	0.0	0	0.0
C03	2	65	19.0	2	0.5	1	0.2	2	0.5	0	0.0
D01	3	95	15.9	1	0.1	1	0.1	0	0.0	0	0.0
D02	2	61	14.2	1	0.2	1	0.2	0	0.0	1	0.2
D03	1	19	17.6	0	0.0	0	0.0	0	0.0	0	0.0
E01	3	64	24.0	0	0.0	1	0.3	1	0.3	0	0.0
E02	3	32	12.6	0	0.0	0	0.0	1	0.3	0	0.0
E03	2	62	12.7	2	0.4	1	0.2	2	0.4	0	0.0
E04	1	14	13.0	0	0.0	0	0.0	0	0.0	0	0.0
E05	1	0	0.0	1	3.1	0	0.0	0	0.0	0	0.0
E06	1	5	59.0	0	0.0	0	0.0	0	0.0	0	0.0
E07	1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
E08	1	19	15.8	0	0.0	0	0.0	1	0.8	0	0.0
E09	1	25	16.4	0	0.0	0	0.0	1	0.6	0	0.0
E10	1	24	10.6	0	0.0	1	0.4	0	0.0	0	0.0
E11	1	15	41.6	0	0.0	0	0.0	0	0.0	0	0.0
E12	1	2	2.3	0	0.0	0	0.0	0	0.0	0	0.0
F01	1	281	14.6	7	0.3	6	0.3	5	0.2	3	0.1
F02	1	117	16.9	1	0.1	1	0.1	3	0.4	1	0.1
F04	1	14	17.0	0	0.0	0	0.0	1	1.2	0	0.0
F05	1	166	11.1	0	0.0	2	0.1	2	0.1	0	0.0
F07	1	30	15.2	0	0.0	0	0.0	0	0.0	0	0.0
G01	1	32	24.9	0	0.0	0	0.0	0	0.0	0	0.0
G02	2	5	7.0	0	0.0	0	0.0	1	1.4	0	0.0
G03	3	1	2.4	0	0.0	1	2.4	0	0.0	0	0.0
G04	2	1	9.8	0	0.0	0	0.0	0	0.0	0	0.0
G05	2	10	11.8	0	0.0	0	0.0	0	0.0	0	0.0
G06	2	1	9.6	0	0.0	0	0.0	0	0.0	0	0.0
G08	3	23	13.9	0	0.0	1	0.6	0	0.0	0	0.0
G09	2	17	9.9	0	0.0	0	0.0	0	0.0	0	0.0
G11	1	47	23.6	0	0.0	2	1.0	1	0.5	1	0.5
G12	1	23	24.4	0	0.0	0	0.0	0	0.0	0	0.0
G13	1	16	39.1	0	0.0	1	2.4	0	0.0	0	0.0
G14	1	3	17.2	0	0.0	0	0.0	0	0.0	0	0.0
G15	1	6	18.1	0	0.0	0	0.0	0	0.0	0	0.0
G16	1	16	16.6	0	0.0	0	0.0	1	1.0	0	0.0
G17	1	4	9.7	0	0.0	1	2.4	0	0.0	0	0.0
G18	1	6	39.8	2	13.3	0	0.0	0	0.0	0	0.0
G19	1	40	11.6	0	0.0	8	2.3	4	1.1	1	0.2
G20	1	14	23.6	0	0.0	0	0.0	0	0.0	0	0.0
G21	1	1	13.6	0	0.0	0	0.0	0	0.0	0	0.0
H01	2	32	12.9	0	0.0	1	0.4	0	0.0	0	0.0
H02	2	15	14.0	0	0.0	1	0.9	2	1.8	0	0.0
H03	2	2	7.6	0	0.0	0	0.0	0	0.0	0	0.0
MON		2676	15.1	37	0.2	70	0.4	24	0.1	13	0.0
ECL		5555	18.0	99	0.3	87	0.2	97	0.3	37	0.1
TOT		8231	16.9	136	0.2	157	0.3	121	0.2	50	0.1



## LOS POLIMALFORMADOS POR HOSPITAL PERIODO 1982-2008

HOS	SDR. PATOG		SDR. ETIOL		MULTIPLES		TOTAL		
	N	TASA	N	TASA	N	TASA	N	TASA	
101	3	121	10.4	64	5.5-	276	23.9-	461	39.9
103	3	20	6.9	19	6.6	45	15.6-	84	29.2
105	3	6	8.6	4	5.7	7	10.0-	17	24.4
107	2	11	12.9	3	3.5	20	23.4	34	39.8
108	2	9	14.5	1	1.6	10	16.2	20	32.4
109	2	5	7.8	2	3.1	4	6.2-	11	17.2
110	3	26	4.6-	45	8.0	103	18.3-	174	30.9
111	3	2	7.6	1	3.8	1	3.8	4	15.2
112	1	1	3.9	1	3.9	3	11.9	5	19.8
113	1	2	12.2	0	0.0	8	49.1	10	61.3
114	1	0	0.0	1	2.7	4	11.0	5	13.8
115	1	0	0.0	0	0.0	0	0.0	0	0.0
116	1	3	12.1	2	8.0	4	16.1	9	36.3
201	1	147	19.6+	118	15.7+	575	76.7+	840	112.0
203	2	3	7.6	0	0.0	6	15.2	9	22.8
204	2	3	8.7	0	0.0	3	8.7	6	17.5
205	3	37	7.4	26	5.2	117	23.6-	180	36.3
206	1	5	20.1	8	32.3+	18	72.7+	31	125.2
207	2	51	6.6-	41	5.3	101	13.1-	193	25.2
208	2	18	12.1	14	9.4	23	15.4-	55	37.0
209	1	5	5.0	5	5.0	21	21.3	31	31.4
210	2	41	7.6	23	4.3-	99	18.5-	163	30.5
211	2	15	8.3	15	8.3	15	8.3-	45	25.1
212	2	3	4.6	4	6.2	12	18.7	19	29.6
213	1	18	16.9	16	15.0	40	37.6	74	69.6
214	1	6	6.2	14	14.4	9	9.2-	29	29.9
216	1	2	17.1	1	8.5	0	0.0	3	25.6
217	1	31	5.7-	60	11.0	308	56.5+	399	73.3
218	2	4	8.3	2	4.2	10	20.9	16	33.5
219	1	7	3.3-	22	10.3	95	44.8+	124	58.5
220	1	13	4.3-	16	5.3	116	39.0	145	48.7
221	1	24	6.0	45	11.3	165	41.7	234	59.2
222	1	12	7.5	21	13.2	48	30.2	81	51.0
223	1	16	4.5-	17	4.7	114	32.1	147	41.4
224	1	11	4.5	28	11.5	60	24.8	99	40.9
225	1	4	1.2-	23	7.2	77	24.1	104	32.6
226	1	1	2.4	0	0.0	10	23.9	11	26.3
227	1	5	2.1-	7	2.9	24	10.1-	36	15.2
301	1	5	14.8	3	8.9	8	23.7	16	47.5
302	3	11	13.5	7	8.6	48	59.2+	66	81.4
303	1	62	14.5+	34	7.9	147	34.4	243	56.8
308	1	56	13.9	31	7.7	172	42.9+	259	64.6
318	3	254	18.2+	273	19.6+	725	52.1+	1252	90.1
319	2	25	21.3+	5	4.2	26	22.1	56	47.7
322	3	78	7.3	41	3.8-	137	12.9-	256	24.1
323	2	9	12.8	2	2.8	17	24.2	28	39.9
324	3	11	18.2	9	14.9	34	56.4+	54	89.6
325	3	45	13.9	37	11.4	204	63.0+	286	88.4
326	3	3	3.5	2	2.3	11	12.9-	16	18.8
327	2	0	0.0	0	0.0	3	13.2	3	13.2
329	2	7	17.5	2	5.0	10	25.1	19	47.7
330	1	20	16.6	12	9.9	56	46.4	88	73.0
331	1	0	0.0	0	0.0	6	39.6	6	39.6
332	1	6	4.1	3	2.0	131	90.4+	140	96.6
333	1	7	5.1	10	7.3	31	22.8	48	35.4
334	1	3	5.8	0	0.0	6	11.6	9	17.4
335	1	4	6.4	1	1.6	14	22.7	19	30.8
336	1	0	0.0	0	0.0	0	0.0	0	0.0
337	1	0	0.0	1	3.6	10	36.8	11	40.5
403	1	36	15.0	22	9.2	125	52.2+	183	76.4
404	2	6	7.5	0	0.0	10	12.6-	16	20.1
406	3	22	25.0+	8	9.1	22	25.0	52	59.2
407	3	96	11.4	45	5.3	277	32.9	418	49.7
408	3	26	9.1	16	5.6	32	11.2-	74	25.9
409	2	2	17.1	1	8.5	0	0.0	3	25.7
411	2	2	10.9	0	0.0	3	16.4	5	27.3
412	3	7	7.5	4	4.2	18	19.3	29	31.1
413	3	93	10.3	68	7.5	459	50.9+	620	68.8
414	3	35	10.0	22	6.3	95	27.2	152	43.6
415	1	8	16.0	4	8.0	20	40.2	32	64.3
416	1	2	1.8	8	7.3	35	32.0	45	41.1
417	1	5	9.5	2	3.8	8	15.3	15	28.7
418	1	3	1.8-	2	1.2-	64	39.9	69	43.0
420	1	1	12.5	0	0.0	3	37.7	4	50.3
421	1	0	0.0	3	12.2	4	16.3	7	28.5

## POLIMALFORMADOS (CONTINUACION)

HOS	SDR.PATOG		SDR.ETIOL		MULTIPLES		TOTAL	
	N	TASA	N	TASA	N	TASA	N	TASA
422	1	0	0	0.0	3	15.5	3	15.5
423	1	0	0	0.0	1	5.2	1	5.2
501	1	187	132	11.4+	362	31.3	681	58.9
502	2	8	6	10.8	31	56.1+	45	81.5
503	3	44	26	6.4	78	19.3-	148	36.7
504	2	0	0	0.0	0	0.0	0	0.0
505	1	2	1	3.6	10	36.0	13	46.8
506	1	2	1	3.7	3	11.3	6	22.6
510	1	24	28	6.0	245	52.9+	297	64.2
601	3	18	17	5.4	83	26.6	118	37.9
603	2	0	0	0.0	1	25.5	1	25.5
604	2	30	14	4.9	51	17.9-	95	33.3
605	1	26	16	4.1	49	12.7-	91	23.6
607	3	17	9	5.2	35	20.2-	61	35.3
608	2	19	7	4.9	20	14.0-	46	32.2
609	2	3	0	0.0	2	10.9	5	27.3
610	3	6	7	5.4	19	14.7-	32	24.7
611	2	0	0	0.0	1	4.7	1	4.7
612	2	0	0	0.0	0	0.0	0	0.0
613	2	0	0	0.0	3	22.7	3	22.7
614	1	18	8	3.9	67	33.2	93	46.0
615	1	0	0	0.0	3	14.7	3	14.7
616	1	1	0	0.0	1	9.9	2	19.9
617	1	0	0	0.0	3	10.5	3	10.5
703	2	55	16	2.1-	97	13.2-	168	22.9
704	3	35	31	5.8	173	32.8	239	45.4
801	2	2	0	0.0	1	5.0	3	15.1
803	3	277	142	5.2-	854	31.4	1273	46.9
804	2	4	0	0.0	1	12.0	5	60.4
805	3	15	7	3.0	34	14.8-	56	24.4
806	2	4	1	1.2	10	12.4-	15	18.6
807	2	1	3	13.6	5	22.6	9	40.8
808	3	1	0	0.0	4	6.6-	5	8.2
809	1	8	11	9.4	40	34.5	59	50.8
810	1	1	0	0.0	5	7.2-	6	8.7
903	2	3	0	0.0	3	14.2	6	28.5
906	1	16	4	5.0	52	65.0+	72	90.1
907	3	5	9	11.8	15	19.7	29	38.2
908	3	2	1	1.4	12	17.7	15	22.2
909	2	8	3	5.7	15	28.8	26	50.0
911	1	1	0	0.0	0	0.0	1	8.4
913	1	3	4	18.6	9	42.0	16	74.6
914	1	0	0	0.0	1	40.0	1	40.0
A02	3	57	41	9.4	200	45.9+	298	68.4
A04	1	75	88	8.6	343	33.6	506	49.5
A05	3	18	31	24.2+	167	130.8+	216	169.2
A06	2	7	2	2.4	11	13.5-	20	24.6
A07	3	41	56	24.1+	202	87.2+	299	129.1
A09	2	5	3	4.9	6	9.8-	14	23.0
A10	1	62	55	10.7	276	53.9+	393	76.7
A12	2	4	2	7.1	10	35.5	16	56.9
A13	2	14	7	10.3	23	33.9	44	64.9
A14	3	41	17	4.2	178	44.7+	236	59.2
A15	2	78	38	3.3-	168	14.9-	284	25.3
A16	2	32	30	7.4	84	20.7-	146	36.0
A18	2	3	3	3.9	8	10.6-	14	18.5
A19	3	8	3	1.6-	28	14.9-	39	20.8
A20	2	8	6	3.6	19	11.4-	33	19.9
A21	2	34	25	10.0	64	25.6	123	49.2
A22	2	41	26	10.1	91	35.6	158	61.8
A24	2	28	13	4.1	42	13.3-	83	26.4
A25	3	103	105	12.0+	490	56.2+	698	80.1
A26	2	2	0	0.0	5	26.5	7	37.1
A27	2	2	0	0.0	0	0.0	2	10.1
A28	2	41	37	9.8	96	25.6	174	46.4
A29	2	4	0	0.0-	6	3.8-	10	6.3
A32	2	3	1	2.9	15	44.0	19	55.7
A33	3	191	198	30.6+	818	126.6+	1207	186.9
A34	2	1	4	8.9	4	8.9	9	20.1
A35	3	28	8	6.5	27	22.1	63	51.6
A36	2	1	0	0.0	2	21.8	3	32.7
A37	3	4	4	3.9	7	6.8-	15	14.6
A38	3	0	0	0.0	0	0.0	0	0.0
A39	3	177	254	56.8+	637	142.4+	1068	238.8

## POLIMALFORMADOS (CONTINUACION)

HOS	SDR . PATOG		SDR . ETIOL		MULTIPLES		TOTAL	
	N	TASA	N	TASA	N	TASA	N	TASA
A40	2	18.5	0	0.0	2	18.5	4	37.0
A41	2	16.8	2	33.7	3	50.6	6	101.3
A42	2	11.7	4	9.4	6	14.1	15	35.2
A43	3	53	23	3.4-	202	30.0	278	41.3
A44	3	7	5	4.7	25	23.7	37	35.1
A45	1	8	13	11.6	18	16.0-	39	34.8
A46	1	65	45	56.0+	117	145.5+	227	282.4
A47	1	2	0	0.0-	261	154.9+	263	156.0
A49	2	4	5	6.9	50	69.2+	59	81.6
A50	1	15	21	12.3	115	67.5+	151	88.7
A51	1	23	28	5.2	133	24.8-	184	34.3
A52	1	0	1	3.1	3	9.3	4	12.5
A53	1	1	3	11.4	3	11.4	7	26.8
A55	1	0	0	0.0	1	21.3	1	21.3
A56	1	25	25	4.8	424	81.4+	474	91.0
A57	1	1	3	30.9	0	0.0	4	41.2
A58	1	0	0	0.0	0	0.0	0	0.0
A59	1	8	11	18.0+	35	57.4+	54	88.7
A60	1	11	9	8.3	76	70.7+	96	89.3
A61	1	0	0	0.0	8	177.7+	8	177.7
A62	1	5	4	4.0	35	35.6	44	44.8
B01	1	83	51	5.4	232	24.9-	366	39.2
B02	2	0	0	0.0	0	0.0	0	0.0
B04	2	0	0	0.0	1	4.0	1	4.0
B07	3	8	0	0.0-	21	10.9-	29	15.0
B08	3	13	5	3.9	9	7.1-	27	21.3
B10	1	19	10	3.1-	51	15.9-	80	24.9
C02	3	24	13	3.3-	13	3.3-	50	12.9
C03	2	20	15	4.4	9	2.6-	44	12.8
D01	3	56	16	2.6-	110	18.5-	182	30.6
D02	2	42	12	2.8-	63	14.6-	117	27.2
D03	1	5	2	1.8	18	16.7-	25	23.1
E01	3	10	2	0.7-	106	39.8	118	44.3
E02	3	21	11	4.3	65	25.6	97	38.2
E03	2	22	21	4.3	44	9.0-	87	17.8
E04	1	7	1	0.9	19	17.6-	27	25.0
E05	1	0	0	0.0	6	19.1	6	19.1
E06	1	2	0	0.0	9	106.2+	11	129.8
E07	1	1	2	15.1	3	22.6	6	45.3
E08	1	2	10	8.3	42	35.0	54	45.0
E09	1	6	6	3.9	39	25.6	51	33.5
E10	1	1	1	0.4-	38	16.8-	40	17.7
E11	1	0	2	5.5	30	83.2+	32	88.8
E12	1	3	1	1.2	7	8.3-	11	13.1
F01	1	129	106	5.5-	397	20.7-	632	32.9
F02	1	55	38	5.5	154	22.3-	247	35.8
F04	1	10	7	8.5	22	26.7	39	47.5
F05	1	167	142	9.5	459	30.8	768	51.5
F07	1	10	7	3.5	38	19.3-	55	28.0
G01	1	7	12	9.3	28	21.8	47	36.6
G02	2	10	8	11.2	20	27.9	38	53.1
G03	3	3	2	4.8	5	12.2	10	24.4
G04	2	0	2	19.7	0	0.0	2	19.7
G05	2	10	13	15.3	21	24.7	44	51.9
G06	2	0	0	0.0	4	38.5	4	38.5
G08	3	12	7	4.2	36	21.8	55	33.4
G09	2	22	13	7.6	36	21.1-	71	41.6
G11	1	8	13	6.5	113	56.7+	134	67.3
G12	1	2	4	4.2	38	40.4	44	46.7
G13	1	7	6	14.6	29	71.0+	42	102.8
G14	1	1	0	0.0	1	5.7	2	11.5
G15	1	0	0	0.0	4	12.1	4	12.1
G16	1	0	2	2.0	42	43.6	44	45.7
G17	1	1	0	0.0	19	46.5	20	48.9
G18	1	0	4	26.6	3	19.9	7	46.5
G19	1	37	32	9.3	150	43.6+	219	63.7
G20	1	1	1	1.6	25	42.2	27	45.6
G21	1	0	0	0.0	0	0.0	0	0.0
H01	2	33	32	12.9	80	32.4	145	58.7
H02	2	9	3	2.8	16	14.9-	28	26.1
H03	2	9	1	3.8	8	30.7	18	69.1
MON	1772	10.0	1043	5.8	3759	21.2	6574	37.0
ECL	2952	9.5	2707	8.7	12403	40.2	18062	58.5
TOT	4724	9.7	3750	7.7	16162	33.2	24636	50.7

## HOSPITALES: CALENDARIO DE PARTICIPACION

Este calendario de participación constituye un perfil histórico de los 44 años de vida del ECLAMC, entre 1967 y 2008.

Cada hospital, indicado por su número de código, puede ser identificado en el capítulo siguiente: Denominación Abreviada de los Hospitales.

Como el primer dígito del código de hospital (HOS) indica el país, los hospitales, ordenados numericamente, también están agrupados por país, como sigue:

Si el código comienza con	1	es Uruguay
	2	es Chile
	3 a 9	es Argentina
	A	es Brasil
	B	es Bolivia
	C	es Peru
	D	es Paraguay
	E	es Ecuador
	F	es Venezuela
	G	es Colombia
	H	es Costa Rica

Los códigos de participación son:

- 0 no participa
- 1 participa en modalidad caso/control
- 2 participa en modalidad cohorte
- 3 participa en ambas modalidades

Cada unidad de tiempo es un año. Un hospital que participa solo parcialmente en un año dado figura como participando. Es decir que la tabla no distingue años enteros de parciales.













## **HOSPITALES: DENOMINACION ABREVIADA**

En la tabla siguiente, el código de cada hospital se sigue de su nombre, mas o menos abreviado, de la ciudad, y una abreviatura de tres letras del país.

El nombre del hospital es un problema serio ya que los hospitales latinoamericanos suelen cambiarlos frecuentemente y casi siempre se escribe un nombre y se pronuncia otro. En consecuencia no sería raro que hubiera descontentos al leer la denominación de su propio hospital. La abreviatura de los países es autoexplicativa.

HOS	NOMBRE	CIUDAD	PAIS
101	HOS PEREYRA ROSSELL-CATEDRA A-	MONTEVIDEO	URU
102	HOS PEREYRA ROSSELL-CATEDRA B-	MONTEVIDEO	URU
103	SAN UNIDAD DE PERINATOLOGIA	MONTEVIDEO	URU
104	SAN PACHECO	MONTEVIDEO	URU
105	HOS MILITAR	MONTEVIDEO	URU
107	--- CIRCULO CATOLICO DE OBREROS	MONTEVIDEO	URU
108	SAN PARMA DE BEISSO	MONTEVIDEO	URU
109	HOS REGIONAL SALTO	SALTO	URU
110	SAN CENTRO DE ASISTENCIA MEDICA DEL URUGUAY	MONTEVIDEO	URU
111	HOS DE BELLA UNION	BELLA UNION	URU
112	HOS DE CLINICAS DR. MANUEL QUINTELA	MONTEVIDEO	URU
113	HOS POLICIAL	MONTEVIDEO	URU
114	SAN MAUTONE	MALDONADO	URU
115	DR. ELBIO RIVERO	MALDONADO	URU
116	SAN CANTEGRIL	PUNTA DEL ESTE	URU
201	HOS CLINICO DE LA UNIV. DE CHILE J.J.AGUIRRE	SANTIAGO	CHL
202	MAT BARROS LUCO TRUDEAU	SANTIAGO	CHL
203	CLI FREIRE ORIENTE	SANTIAGO	CHL
204	HOS DR. JUAN NOE	ARICA	CHL
205	HOS BASE REGIONAL DE VALDIVIA	VALDIVIA	CHL
206	HOS CLINICO PONTIF. UNIV. CATOLICA DE CHILE	SANTIAGO	CHL
207	HOS LAS HIGUERAS	TALCAHUANO	CHL
208	CLI LAS CONDES	SANTIAGO	CHL
209	HOS MILITAR	SANTIAGO	CHL
210	HOS GUILLERMO GRANT BENAVENTE	CONCEPCION	CHL
211	HOS NAVAL ALMIRANTE NEF	VALPARAISO	CHL
212	CLI FRANCESA	CONCEPCION	CHL
213	HOS GUSTAVO FRICKE	VIÑA DEL MAR	CHL
214	CLI SANATORIO ALEMAN	CONCEPCION	CHL
215	CLI TABANCURA	SANTIAGO	CHL
216	HOS DEL PROFESOR	SANTIAGO	CHL
217	HOS REGIONAL DE RANCAGUA	RANCAGUA	CHL
218	HOS DR. E TORRES G	IQUIQUE	CHL
219	HOS BASE DE LINARES	LINARES	CHL
220	HOS DE PUERTO MONTT	PUERTO MONTT	CHL
221	HOS SOTERO DEL RIO	SANTIAGO	CHL
222	HOS SALVADOR	SANTIAGO	CHL
223	HOS SAN BORJA ARRIARAN	SANTIAGO	CHL
224	HOS SAN JOSE	SANTIAGO	CHL
225	HOS REGIONAL DE TALCA	TALCA	CHL
226	HOS CAUQUENES	CAUQUENES	CHL
227	HOS CURICO	CURICO	CHL
301	HOS FERNANDEZ	BUENOS AIRES	ARG
302	MAT PERALTA RAMOS	BUENOS AIRES	ARG
303	HOS LUCIO MELENDEZ	ADROGUE	ARG
304	CLI MATERNAL LOMAS	LOMAS DE ZAMORA	ARG
305	MAT PARDO	BUENOS AIRES	ARG
306	HOS ISRAELITA	BUENOS AIRES	ARG
307	POL DE SAN MARTIN	SAN MARTIN	ARG
308	HOS RICARDO FINOCHIETTO	SARANDI	ARG
309	HOS DURAND	BUENOS AIRES	ARG
310	HOS FIORITO	AVELLANEDA	ARG
311	HOS ARGERICH	BUENOS AIRES	ARG
312	SAN METROPOLITANO	BUENOS AIRES	ARG
313	HOS SALABERRY	BUENOS AIRES	ARG
314	POL DE EZEIZA	EZEIZA	ARG
315	MAT SANTA ROSA	VICENTE LOPEZ	ARG

HOS	NOMBRE	CIUDAD	PAIS
316	HOS DIEGO THOMPSON	SAN MARTIN	ARG
317	HOS RAMOS MEJIA	BUENOS AIRES	ARG
318	HOS RAMON SARDA	BUENOS AIRES	ARG
319	HOS POSADAS	RAMOS MEJIA	ARG
320	HOS MUNICIPAL DE MORON	MORON	ARG
321	HOS AERONAUTICO CENTRAL	BUENOS AIRES	ARG
322	HOS FRANCISCO SANTOJANNI	BUENOS AIRES	ARG
323	HOS MUNICIPAL DE SAN MIGUEL	SAN MIGUEL	ARG
324	CLI CEMIC	BUENOS AIRES	ARG
325	HOS LUISA C.DE GANDULFO	LOMAS DE ZAMORA	ARG
326	POL SOFIA DE SANTAMARINA	MONTE GRANDE	ARG
327	HOS SUBZONAL DE SAN VICENTE	SAN VICENTE	ARG
328	HOS DE MAGDALENA	MAGDALENA	ARG
329	SAN LUIS GUEMES	BUENOS AIRES	ARG
330	HOS ITALIANO	BUENOS AIRES	ARG
331	HOS EVA PERON	SAN MARTIN	ARG
332	HOS NARCISO LOPEZ	LANUS ESTE	ARG
333	CLI Y MATERNIDAD SUIZO-ARGENTINA	BUENOS AIRES	ARG
334	HOS MATERNO INFANTIL AVELLANEDA "ANA GOITIA"	AVELLANEDA	ARG
335	HOS HIGA DR DIEGO PAROISSIEN	ISIDRO CASANOVA	ARG
336	@		ARG
337	HOS HIGA EVITA	BUENOS AIRES	ARG
401	MAT LA PLATA	LA PLATA	ARG
402	HOS R. GUTIERREZ	LA PLATA	ARG
403	HOS CENTENARIO DE GUALEGUAYCHU	GUALEGUAYCHU	ARG
404	HOS DEL CENTENARIO	ROSARIO	ARG
405	HOS SAN ROQUE	GONNET	ARG
406	HOS PRIVADO DE COMUNIDAD	MAR DEL PLATA	ARG
407	HOS IEMI - INTERZONAL ESPEC.MATERNO INFANTIL	MAR DEL PLATA	ARG
408	HOS MATERNO INFANTIL SAN ROQUE	PARANA	ARG
409	HOS MATERNIDAD MUNICIPAL DE C.URUGUAY	C.DEL URUGUAY	ARG
411	HOS NAVAL	PUERTO BELGRANO	ARG
412	POL GRANADERO BAIGORRIA	GRAN.BAIGORRIA	ARG
413	MAT MARTIN	ROSARIO	ARG
414	HOS ROQUE SAENZ PENA	ROSARIO	ARG
415	CLI DEL NIÑO Y LA MADRE	MAR DEL PLATA	ARG
416	HOS ITALIANO	LA PLATA	ARG
417	HOS PRIVADO DEL SUR	BAHIA BLANCA	ARG
418	HOS INTERZONAL DR JOSE PENNA	BAHIA BLANCA	ARG
419	HOS GOBERNADOR CENTENO	GENERAL PICO	ARG
420	HOS HIGA SAN MARTIN	LA PLATA	ARG
421	SAN TANDIL	TANDIL	ARG
422	HOS RAMON SANTAMARINA	TANDIL	ARG
423	HOS ITALIANO REGIONAL DEL SUR	BAHIA BLANCA	ARG
501	MAT HOSPITAL MATERNO PROVINCIAL	CORDOBA	ARG
502	HOS ESPANOL	CORDOBA	ARG
503	HOS NUESTRA SEÑORA DE LA MISERICORDIA	CORDOBA	ARG
504	CLI MATERNO INFANTIL AESM	CORDOBA	ARG
505	HOS TRANSITO CACESES DE ALLENDE	CORDOBA	ARG
506	CLI CONCEPCION SRL	CORDOBA	ARG
510	HOS MATERNO NEONATAL	CORDOBA	ARG
601	HOS LAGOMAGGIORE (EX EMILIO CIVIT)	MENDOZA	ARG
602	HOS RAWSON	SAN JUAN	ARG
603	HOS DE GENERAL ALVEAR	GENERAL ALVEAR	ARG
604	HOS TEODORO SCHESTAKOW	SAN RAFAEL	ARG
605	HOS REGIONAL ALFREDO PERRUPATO	SAN MARTIN	ARG
606	HOS PAROISSIEN	MAIPU	ARG
607	SAN FLEMING	MENDOZA	ARG

HOS	NOMBRE	CIUDAD	PAIS
608	HOS ESPANOL	GODOY CRUZ	ARG
609	CLI SAN ROQUE	SAN RAFAEL	ARG
610	HOS ITALIANO	GUAYMALLEN	ARG
611	CLI GUTIERREZ	SAN RAFAEL	ARG
612	SAN MITRE	SAN RAFAEL	ARG
613	POL FERROVIARIO	MENDOZA	ARG
614	HOS COMPLEJO SANATORIO SAN LUIS	SAN LUIS	ARG
615	CLI CERHU	SAN LUIS	ARG
616	SAN RIVADAVIA	SAN LUIS	ARG
617	HOS MATERNO INFANTIL	VILLA MERCEDES	ARG
701	MAT DEPARTAMENTO MATERNO INFANTIL FAC.MEDIC.	CORRIENTES	ARG
702	HOS EMILIO R CONI	CORRIENTES	ARG
703	HOS JULIO PERRANDO	RESISTENCIA	ARG
704	HOS RAMON MADARIAGA	POSADAS	ARG
801	HOS PATERSON	SAN PEDRO	ARG
803	MAT DE TUCUMAN	SAN MIGUEL	ARG
804	HOS NUESTRA SENORA DEL ROSARIO	CAFAYATE	ARG
805	HOS PABLO SORIA	SAN SALVADOR	ARG
806	HOS MATERNO INFANTIL	SALTA	ARG
807	HOS DR JORGE URO	LA QUIACA	ARG
808	HOS SAN ROQUE	SAN SALVADOR	ARG
809	HOS ENRIQUE VERA BARROS	LA RIOJA	ARG
810	HOS INTERZONAL SAN JUAN BAUTISTA	SAN ISIDRO	ARG
901	HOS REGIONAL DE NEUQUEN	NEUQUEN	ARG
902	HOS RURAL	CIPOLLETTI	ARG
903	HOS REGIONAL	GENERAL ROCA	ARG
904	INS MEDICO DEL COMAHUE	GENERAL ROCA	ARG
905	HOS DE CUTRALCO	CUTRALCO	ARG
906	HOS ZONAL DE ESQUEL	ESQUEL	ARG
907	HOS DE AREA DE EL BOLSON	EL BOLSON	ARG
908	HOS SUBZONAL PUERTO MADRYN	PUERTO MADRYN	ARG
909	HOS ZONAL BARILOCHE	RIO NEGRO	ARG
910	HOS REGIONAL DE USHUAIA	USHUAIA	ARG
911	HOS AREA PROGRAMA SAN ANTONIO OESTE	S. ANTONIO OESTE	ARG
912	HOS RAMON CARRILLO	SM.DE LOS ANDES	ARG
913	HOS DR EDUARDO CASTRO RENDON	NEUQUEN	ARG
914	HOS REGIONAL MANUEL SANGUINETI	@ CRO RIVADAVIA	ARG
A01	HOS DAS CLINICAS	LONDRINA	BRS
A02	MAT VILANOVA CACHOEIRINHA	SAO PAULO	BRS
A03	MAT BARAO DE LUCENA	RECIFE	BRS
A04	MAT CARMELA DUTRA	FLORIANOPOLIS	BRS
A05	INS FERNANDES FIGUEIRA	RIO DE JANEIRO	BRS
A06	HOS DA SANTA CASA DE MISERICORDIA	VALINHOS	BRS
A07	HOS DAS CLINICAS	RIBEIRAO PRETO	BRS
A08	HOS DAS CLINICAS	CURITIBA	BRS
A09	HOS SANTA CRUZ	SAO PAULO	BRS
A10	HOS DOS SERVIDORES DO ESTADO	SAO PAULO	BRS
A12	HOS UNIVERSITARIO ANTONIO PEDRO	NITEROI	BRS
A13	HOS UMBERTO PRIMO-PRIVADO-	SAO PAULO	BRS
A14	MAT NEOMATER	SAO B.DO CAMPO	BRS
A15	MAT ESCOLA ASSIS CHATEAUBRIAND	FORTALEZA	BRS
A16	MAT DO INAMPS	JOAO PESSOA	BRS
A17	HOS NOSSA SENHORA DAS GRACAS	CURITIBA	BRS
A18	--- SANTA CASA	RIO GRANDE	BRS
A19	HOS SAO VICENTE DE PAULO	GOV VALADARES	BRS
A20	HOS MONTENEGRO	MONTENEGRO	BRS

HOS	NOMBRE	CIUDAD	PAIS
A21	HOS UMBERTO PRIMO-INAMPS-	SAO PAULO	BRS
A22	MAT LEONOR MENDES DE BARROS	SAO PAULO	BRS
A24	--- SANTA CASA	POCOS DE CALDAS	BRS
A25	HOS DE CLINICAS	PORTO ALEGRE	BRS
A26	HOS UNIVERSITARIO WLADIMIR ARRUDA	SANTO AMARO	BRS
A27	MAT SANTA LUZIA	MOSSORO	BRS
A28	HOS ALBERT EINSTEIN	SAO PAULO	BRS
A29	--- SANTA CASA	AMPARO	BRS
A30	HOS DOS SERVIDORES	RIO DE JANEIRO	BRS
A31	--- CRUZ AZUL	SAO PAULO	BRS
A32	HOS IPIRANGA INAMPS	SAO PAULO	BRS
A33	HOS CTR DE ASS INT A SAUDE DA MULHER:CAISM	CAMPINAS	BRS
A34	MAT MARINA CRESPI, HOS.SAO LUIZ,	ARARAS	BRS
A35	HOS RAPHAEL DE PAULA SOUZA	RIO DE JANEIRO	BRS
A36	HOS SANTA CASA DE MISERICORDIA	RIBERAO PRETO	BRS
A37	MAT NOSSA SENHORA D'AJUDA	CACAPAVA	BRS
A38	POL SERVICOS MEDICO HOSPITALARES	CACAPAVA	BRS
A39	HOS DAS CLINICAS DA UFMG	BELO HORIZONTE	BRS
A40	MAT ESCOLA JANUARIO CICCO	NATAL	BRS
A41	HOS UNIVERSITARIO DE TAUBATE	TAUBATE	BRS
A42	HOS UNIVERSITARIO CASSIANO ANTONIO MORAES	VITORIA	BRS
A43	HOS SANTA CASA DE MISERICORDIA PORTO ALEGRE	PORTO ALEGRE	BRS
A44	HOS BENEFICIENTE SAO VICENTE DE PAULO	PASSO FUNDO	BRS
A45	HOS UNIVERSITARIO DE PELOTAS	PELOTAS	BRS
A46	HOS SAO PAULO	SAO PAULO	BRS
A47	MAT CLIMERIO DE OLIVEIRA	SALVADOR	BRS
A49	HOS VERACRUZ	CAMPINAS	BRS
A50	HOS UNIVERSITARIO DA UFSC	FLORIANOPOLIS	BRS
A51	HOS DARCY VARGAS	JOINVILLE	BRS
A52	HOS SANTA CASA	PELOTAS	BRS
A53	HOS BENEFICENCIA	PELOTAS	BRS
A54	HOS MIGUEL PILTCHER	PELOTAS	BRS
A55	HOS DA FAU	PELOTAS	BRS
A56	MAT CANDIDA VARGAS	JOAO PESSOA	BRS
A57	HOS UNIMED VALE DO CAI	MONTENEGRO	BRS
A58	HOS MUNICIPAL JOAQUIM RAIMUNDO GOMEZ	GUAPIARA	BRS
A59	HOS PRESIDENTE VARGAS	PORTO ALEGRE	BRS
A60	HOS MUNICIPAL ODILON BERHRENS	BELO HORIZONTE	BRS
A61	HOS UNIVERSITARIO GAFFREE E GUINLE	RIO DE JANEIRO	BRS
A62	HOS SANTA CASA DE BELO HORIZONTE	BELO HORIZONTE	BRS
B01	MAT NATALIO ARAMAYO	LA PAZ	BOL
B02	MAT GERMAN URQUIDI	COCHABAMBA	BOL
B04	HOS NUMERO 2 DE LA CAJA	COCHABAMBA	BOL
B06	HOS METODISTA	LA PAZ	BOL
B07	HOS MATERNOLOGICO 18 DE MAYO	LA PAZ	BOL
B08	HOS SAN GABRIEL	LA PAZ	BOL
B09	HOS ARCO IRIS SRL	LA PAZ	BOL
B10	HOS SAN JUAN DE DIOS	TARIJA	BOL
C01	HOS DE AERONAUTICA	LIMA	PER
C02	HOS ROSALIA LAVALLE-GRATUITO-	LIMA	PER
C03	HOS ROSALIA LAVALLE-PAGANTE-	LIMA	PER
C04	CLI MONTESUR	LIMA	PER
D01	HOS DE CLINICAS	ASUNCION	PAR
D02	HOS DE LA CRUZ ROJA PARAGUAYA	ASUNCION	PAR
D03	HOS SAN PABLO	ASUNCION	PAR

HOS	NOMBRE	CIUDAD	PAIS
E01	MAT ANDRADE MARIN	QUITO	ECU
E02	MAT ISIDRO AYORA	QUITO	ECU
E03	HOS RODRIGUEZ ZAMBRANO	MANTA	ECU
E04	HOS DR. NAPOLEON DAVILA CORDOVA	CHONE	ECU
E05	HOS MIGUEL H ALCIVAR	BAHIA CARAQUEZ	ECU
E06	HOS LUIS F MARTINEZ	CAÑAR	ECU
E07	MAT FUNDACION MANO AMIGA	CAÑAR	ECU
E08	HOS REGIONAL VERDI CEBALLOS BALDA	PORTOVIEJO	ECU
E09	HOS ISIDORO AYORA	LOJA	ECU
E10	HOS SAN VICENTE DE PAUL	IBARRA	ECU
E11	HOS HOMERO CASTANIER C	AZOGUES	ECU
E12	HOS TEOFILO DAVILA	MARCHALA	ECU
F01	MAT CASTILLO PLAZA	MARACAIBO	VEN
F02	HOS GRAL.DR.ALFREDO VAN GRIEKEN	CORO	VEN
F03	MAT SANTA ANA (DEL SEGURO SOCIAL)	CARACAS	VEN
F04	HOS PEDRO GARCIA CLARA	CIUDAD OJEDA	VEN
F05	HOS RUIZ Y PAEZ	CIUDAD BOLIVAR	VEN
F06	CLI CENTRO MEDICO DE CABIMAS	CABIMAS	VEN
F07	HOS CHIQUINQUIRA DE MARACAIBO	MARACAIBO	VEN
G01	CLI SANTA ROSA CAJA NACIONAL DE PREVISION	BOGOTA	COL
G02	HOS DE LA VICTORIA	BOGOTA	COL
G03	HOS UNIVERSITARIO METROPOLITANO	BARRANQUILLA	COL
G04	--- UNIDAD NORTE	BARRANQUILLA	COL
G05	--- UNIDAD PROGRAMATICA INSTITUCIONAL I.S.S.	BARRANQUILLA	COL
G06	HOS NAVAL	CARTAGENA	COL
G07	CLI MATERNIDAD RAFAEL CALVO	CARTAGENA	COL
G08	HOS GENERAL DE NEIVA	NEIVA	COL
G09	HOS DE SAN JOSE	BOGOTA	COL
G11	HOS UNIVERSITARIO SAN IGNACIO	BOGOTA	COL
G12	CLI DAVID RESTREPO	BOGOTA	COL
G13	HOS DE CALDAS	MANIZALES	COL
G14	HOS PEDRO LEON ALVAREZ DE LA MESA	LA MESA	COL
G15	HOS EL SALVADOR DE UBATE	UBATE	COL
G16	CLI FUNDACION CLINICA EMMANUEL	BOGOTA	COL
G17	HOS SIMON BOLIVAR	BOGOTA	COL
G18	CLI SALUDCOP JORGE PINEROS	BOGOTA	COL
G19	HOS UNIVERSITARIO DEL VALLE	CALI	COL
G20	CLI VILLA PILAR	MANIZALES	COL
G21	CLI CARDI LTDA	CHIQUINQUIRA	COL
H01	HOS SAN JUAN DE DIOS	SAN JOSE	RIC
H02	HOS DOCTOR TONY FACIO CASTRO	PUERTO LIMON	RIC
H03	HOS SAN VICENTE DE PAUL	HEREDIA	RIC

## CASOS CLINICOS

01. Anophtalmia syndrome	Aravena
02. Desbuquois syndrome	Aravena
03. Marshall syndrome	Aravena
04. Miller syndrome	Nazer
05. Seckel syndrome	Camacho
06. Angiofibromyxoma	Jatar
07. Spondyloenchondrodysplasia	Buck
08. Question mark ears	Moreno
09. Cerebro-oculo-nasal	Moreno
10. Blomstrand chondrodysplasia	Sakata
11. Midline cervical cleft	Montalvo
12. Knobloch syndrome	Llerena
13. Biliary malformation	Catalan
14. Trastuzumab	Ermini
15. Noonan	Roubicek
16. Limb reduction defect in half sibs	Saleme
17. Aplasia cutis	Toscano
18. Duplicated thumbs, T. Fallot, deafness	Zarante
19. Bladder extrophy	Juarez
20. Spondylometaphyseal dysplasia	Juarez
21. Boomerang dysplasia	Juarez
22. Misoprostol	Llerena
23. Spinal anomalies	Moreno
24. Skeletal dysplasia 1	Villar
25. Skeletal dysplasia 2	Villar
26. Cleft dysmorphic signs	Dorita
27. Amelia	Villar
28. Encephalocele, asplenia, cleft palate	Villar
29. Velocardiofacial syndrome	Villar
30. Pallister Killian	Llerena
31. Ohdo syndrome	Llerena
32. C Opitz syndrome	Llerena
33. Lissencephaly	Llerena
34. Tetrafocomelia con hemangioma frontonasal	Pachajoa
35. Severe mental retardation	Saldarriaga
36. Prenatal diagnosis of skeletal dysplasia with 3D-CT	Ayello
37. Char syndrome	Castillo
38. MOMO syndrome	Castillo
39. Anomalias de tallo corporal	Rueda
40. OPD II syndrome?	Mussi
41. Ausencia de intestinos + otros defectos	Pereira
42. Klippel-Trenaunay? CLOVE?	Pereira



**Case 1: 9p+ ? Mos 3x21?  
Speaker: Braulio Jatar**

DOB 15/09/2009, weighing 1900 gr. GA: 36 weeks. Male delivered by C-section for breech presentation. Mother went to seven prenatal visits, from 8 to 34 weeks gestation, in public service. Five prenatal ultrasounds during pregnancy reported as normal. LMP: 31/12/2008. Mother B+, father O+, received 2 doses of tetanus toxoid in the 2nd and 3rd trimester. Metrorrhagia in the first trimester for 5 days. Supplementation with folic acid from the 8<sup>th</sup> wk until the end of pregnancy. Family history: Proband has a maternal half-sister born in 2007. Mother aged 28, father 30 years old. No congenital malformations or parental consanguinity reported in the family. FISH study was performed in amniotic fluid (11/06/2009), with the following result: "Human embryo male with normal number of chromosomes X and Y. There was no evidence alterations of chromosomes 13 and 18. There is a mosaic for chromosome 21 (with 91% of normal cells); a postnatal karyotype is recommended to confirm this finding". Physical exam: Elongated facies, broad forehead, ocular hypertelorism, reduced palpebral aperture, prominent nose. Face remindful of a "warrior helmet". Severe microretrognathia, cleft palate, low set ears, sacral dimple, balanitic hypospadias, and bilateral cryptorchidism were observed. Hands: bilateral single palmar crease, bilateral clinodactyly 5<sup>th</sup> finger. Lower limbs: bilateral absence of 3<sup>rd</sup> and 4<sup>th</sup> toes, syndactyly 1-2 in both feet. Echocardiogram: persistent ductus arteriosus and foramen ovale.

**Diagnostic impression:** Monosomy 9 (?)

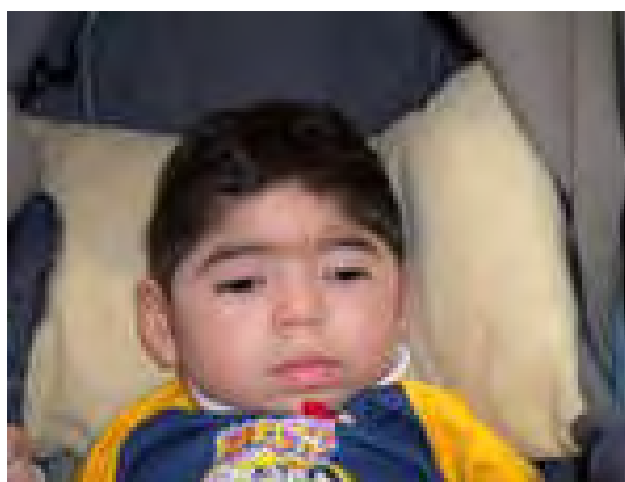
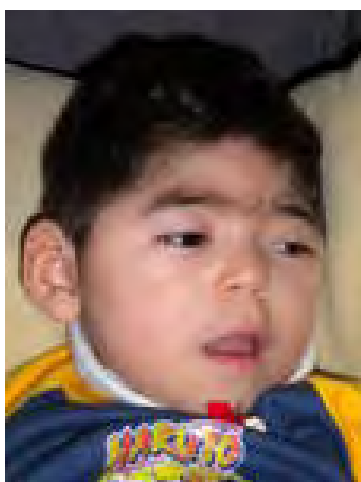


*Aun no tiene cariotipo. Sin Rx no se puede saber que dedos faltan. Julio Cesar: variantes del Smith Lemli Opitz, clínica sindactilia, hipospadias, escroto vacio y anomalías de miembros; Dubowitz otra hipótesis. Gioacchino dice que no y que piensa que puede ser Smith Lemli Opitz. Osvaldo hacer Rx, cariotipo; Jose Carlos: Bowen Conradi; Daniela: Schillbach Rott : blefarofimosis, palato fendido, sindactilia cutánea de manos y pies, descrito en el Brasil y no tiene esa reducción tan grande de miembros. **Follow up 2010.***

**Case 2: West + MELAS ?****Speaker: Rosa Andrea Pardo Vargas**

First child, unremarkable family history. Cesarean section because of acute fetal distress. Birth weight 2490g. Length 46cm. Head circumference 33cm. Seizures began at age two months. Brain MRI and CT scan: bilateral multiple brain infarctions, mainly on the right; extensive foci of bilateral cystic encephalomalacia, ventriculomegaly. EEG: Leith pre-rolandic epilepsy. Normal acylcarnitine profile and organic acids. Mild left hypoacusia. Normal echocardiogram. Ophthalmology: normal eye fundus (14 months). Pneumonia (by SRV) at age 14 months, gastroesophageal reflux, had a gastrostomy. Failure to thrive. Impression: West syndrome + microcephaly + spastic tetraparesia + severe global developmental delay. Referred to genetics at age 20 months. Weight: 9030g (P10). Length: 77,5 cm (P<5). CC: 45 cm (P<5). Hypertonia. Flexed hands, increased deep tendon reflexes with clonus. Speech delay. Tendency to bradycardia.

**Diagnosis:** Battered child (¿)  
 Sequelae of perinatal asfixia (¿) asfixia perinatal  
 MELAS mitochondrial disorder (¿)



*No tiene malformación en manos. Se descartó trastornos hemorrágicos en el RN. Cariotipo normal. TORCH negativo. Las RMI no habían variado en el tiempo Se descartó Melas e maus tratos por biopsia molecular.*

*Hay síndromes epilépticos monogénicos.*

*Pablo: descartar Del 1 p 36 por la frente pequeña, cejas juntas y convulsiones.*

*José Carlos descartar dup 3q .*

*Osvaldo : Trisomia parcial del 14.*

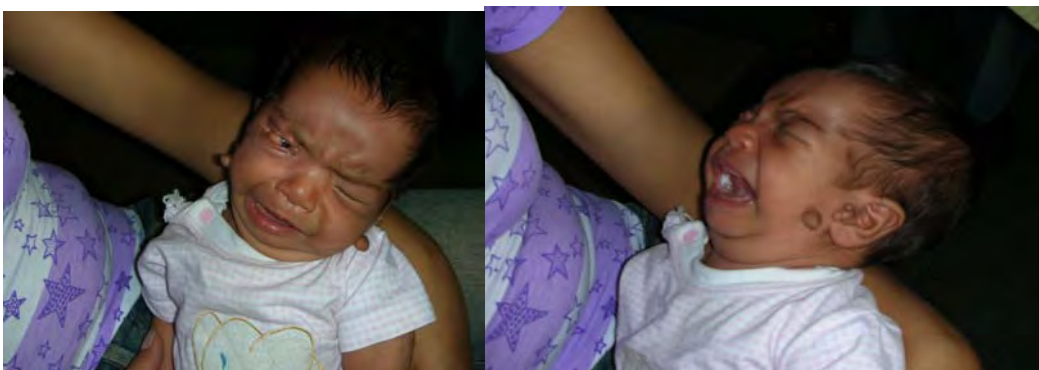
*Gioacchino: lipofusciosis cerioide muy grave por los infartos cerebrales, o un tipo más grave de enfermedad mitocondrial.*

**Follow up 2010.**

**Case 3: Goldenhar**  
**Speaker: Nidia Triay de Juarez**

Female, 20 days old, presenting with facial anomalies. Normal pregnancy and delivery at the 39<sup>th</sup> week. Normal crying and suckling following birth. Healthy parents (22 and 20 years old), sister (2 years) and paternal grand parents. Maternal grandparents unknown. Physical exam: right eye covered by a lipodermoid, coloboma of the upper eyelid, which is everted to the external corner of the eye. Little lipodermoid of the left lower eyelid. Left eye is kept shut, photophobia when the patient tries to open it. There are not anomalies in the size and shape of the external auricles, four preauricular tags at left and a smaller tag on the tragus-oral line. A small skin tag is present in right external auditory canal, a larger one in the tragus-oral line. X-rays: hypoplastic 4<sup>th</sup> vertebral body, mild lack of fusion in the lumbosacral region. Echocardiogram: Fallot tetralogy, ventricular septal defect. Neuroimaging: agenesis of corpus callosum.

**Dx:** Goldenhar syndrome



*Denise piensa en Delleman o el quiste orbitario; pero este tiene dermoide pero hay una variabilidad muy grande y el proposito tiene los apéndices importantes. Ella tuvo un caso en que un hijo tenía tumoración en ojo y tetralogía de Fallot y otro hijo Goldenhar y tetralogía de Fallot . Traslocacion 6,7q; uno tenía la del 6q y el otro 7q. Hacer cariotipo.*

*Julio Cesar piensa que sin duda es Goldenhar igual que Osvaldo, Facioauriculo vertebral.*

*José Carlos: genes contiguos, hacer CGH*

*Cohen espectro Facio auriculo vertebral, y también puede tener anomalías cerebrales Para leda esto no es un diagnostico etiologico.*

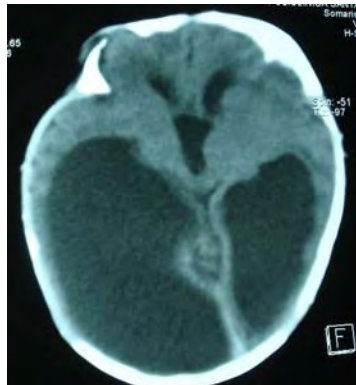
*Erlane cuadros ambientales como la vitamina A; Julio Cesar: pero no apresenta dermoide bulbar ni malformación vertebral.*

**Follow up 2010**

**Case 4: Cerebro-Oculo-Nasal syndrome**  
**Speaker: Dania Guerra**

Propositus is a newborn male. He was the first child born to healthy 21 years old mother and 26 years old father, non-consanguineous, originally from San Felix, Bolivar State, Venezuela. Cesarean delivery at 39 weeks of pregnancy, birth weight 4450g, and length 52 cm. On clinical examination he presented macrocephaly, prominent forehead, flat supra-orbital ridge, sparse eyebrows, sparse eyelashes, left anophthalmia, iris coloboma in right eye, ocular hypertelorism, malar hypoplasia, asymmetrical and low set ears and bilateral cleft of the upper lip. The nose was abnormally modeled, malformed nares separated by a midline groove, and with a midline nasal appendage. Brain scans showed asymmetric dilatation of cerebral ventricles and inter-hemispheric cyst. Cardiovascular and renal studies were normal.

**Dx:** Cerebro-Oculo-Nasal syndrome (?)



*Antonio y leda sugieren estudio de PATCH y Antonio confirma que este es Cerebro Oculo Nasal. En la TAC la formación tipo quística, y la dilatación ventricular, es muy particular y el no cambia su diagnostico de cerebro oculo nasal.*

*José Carlos: homocigosis para mutación de gen PAX 6.*

*leda: estudiar genes de holoprosencefalia.*

**Case 5: Gorlin-Chaudhry  
Speaker: Teresa Aravena**

BBF, a girl was born at term (38 weeks) to non-consanguineous and healthy parents. Mother took no medication nor was she exposed to any teratogenic agent during an otherwise normal pregnancy. Prenatal sonograms were abnormal, IUGR and turricephaly were diagnosed. She was small for date and presented birth weight was 1740 g, length 44 cm, and 29.5 cm. At birth multiple anomalies were noted. The child was slightly hypertonic and showed brachyturricephaly, hypertrichosis of scalp and trunk, facial anomalies including a low frontal hairline, frontal bossing, midface hypoplasia, dysplastic ears, down slanting and small palpebral fissures, a narrow and high palate with a submucosa cleft. She also had patent ductus arteriosus, umbilical hernia and hypoplastic labia majora. Hypoplastic distal phalanges of finger and toes, right side cutaneous syndactyly of the third and fourth toe were also present. Chromosomal investigations showed a normal 46,XX chromosome constitution. CT scan showed ossification defects of skull, agenesis of corpus callosum and large ventricles. She had persistent respiratory distress and developed pneumonia and died at 5 months old. Family history was contributory; her 3 male sibs are healthy and her sister was affected. She also had similar phenotype and presented hypertrichosis, midface hypoplasia, low frontal hairline, and abnormal psychomotor development. She died at age 18 months because of pneumonia.

**Clinical diagnosis:** Gorlin Chaudhry Moss syndrome?



Proband



Proband



Proband's sister

*Cohen cree que es Gorlin Chaudhry Moss y que hay que publicarlo; el problema es que hay muy pocos casos descritos y que es eventual que todos sean femeninos pero cuantos mas casos se publiquen van a aparecer casos masculinos. El piensa que es AR. Pablo: a él le parece que no es muy al azar que sean femeninas y que buscaría algo en el cromosoma X.*

**Case 6: Oculo-fronto-nasal ? Oculo-fronto-vertebral ?  
Speaker: Teresa Aravena**

Female patient was born to non-consanguineous and healthy parents at 39 weeks gestation by cesarean. The family history is unremarkable, and the patient had no past medical history of drug use or use of medications. Fever and flu-like symptoms at 5<sup>th</sup> week of pregnancy. Five sonograms were performed and at 26 weeks of gestation hydrocephaly was diagnosed. At birth, her weight was 3270 gr, length 49 cm, head circumference 39 cm. and APGAR of 8 and 8. Physical examination of the newborn reveled macrocephaly, wide and prominent forehead, left anophthalmia, right epibulbar dermoid, bilateral microtia and low set ears, broad base to nose and asymmetric nares, micrognathia, and normal female genitalia. Echocardiogram was done showing dextrocardia. CT scan: hydranencephaly. Karyotype: 46,XX.

**Diagnosis:** Oculofrontonasal syndrome (?)  
Oculoauriculovertebral syndrome (?)



Fisura paladar submucosa. OCULO AURICULO VERTEBRAL; OCULO AURICULO FRONTO NASAL; Julio Cesar: CEREBROOCULONASAL; Michael Cohen piensa que es Oculo Auriculo Vertebral; en 1971 hay descriptos cuatro casos por él de esta manera. No cree que sea Cerebro Oculo Nasal. Antonio también piensa lo mismo con ese compromiso y que el gen sería el mismo del Cerebro Oculo Nasal, Hay una tremenda asimetría facial, una importante falla del primer arco branquial y la narina no es típica de la Cerebro Oculo Nasal. **Follow up 2010.**

**Case 7: Facial anomalies and syndactyly of hands and feet (?)****Speaker: Cesar Saleme****ECLAMC case-JEL-090607**

DOB: 06/07/09. Spontaneous delivery. Cephalic presentation. Male. Birth weight: 1490 g; Height: 40,5 cm; head circumference: 28,5 cm; Apgar: 6/8; GA 32 weeks. NBW. Respiratory distress. Family history: young non-consanguineous parents. Maternal uncle with Down syndrome. Mother: 20 years old, primipara. Father: 20 years old. LMP: 12/28/08. Uncontrolled pregnancy. Anti-allergic drug for allergic rhinitis (first month): 1 pill per day for 3 days. Vaginal bleeding. Physical exam: Dolicocephaly, anti-mongoloid slant of palpebral fissures. Ocular hypertelorism, broad nasal bridge. Posterior cleft palate, thin lips, retromicrognathia, low set and dysplastic left ear. Laryngeal stridor. Hands: bilateral syndactyly 2/3/4/5. Left foot: 1<sup>st</sup> and second toe agenesis. Syndactyly 3/4/5. Right foot: syndactyly 2/3/4. Brain ultrasound (06/07/09): Ventriculomegaly (Atrio: 22 mm). Intraventricular septum break. Ecocardiogram (06/07/09): PDA. Developed progressive respiratory distress and obstructive apnea. Died 35 hours after birth.

**Diagnosis:** Facial anomalies and syndactyly of hands and feet (?)

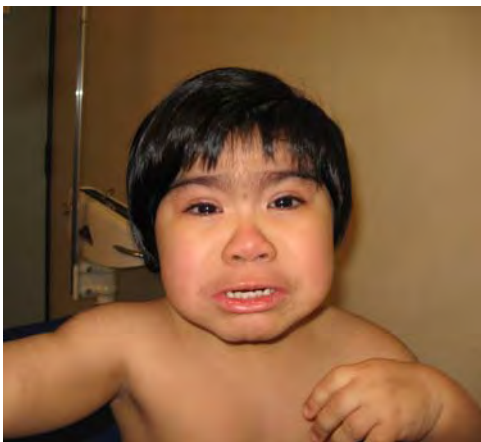


*OTOPALATODIGITAL por la sindactilia de manos y pies, pero no le parece.  
 Jose Carlos no hay dermatoglifos que se pueden rescatar?  
 Pablo: Triploidía o mosaico de triploidía.*

**Case 8: ¿**  
**Speaker: Carmen Astete**

Pre-school girl, three years old, institutionalized since age six months. Mother has mental retardation of unknown etiology, and lives in a rural area of Chile (VIII Region- Chile). Prenatal and delivery history is unknown. Bilateral hip dislocation diagnosed at birth. Developmental delay and failure to thrive. Swallowing difficulties required gastrostomy. Currently is beginning to walk unsupported, and has a very poor language. Microcephaly. Hirsutism present on the frontal region, on the back and in the extremities. Lax joints. Extra flexion folds in both forearms.

**Diagnosis (?)**



*Buscar MUCOPOLISACARIDOSIS o enfermedad de depósito  
En algún momento pensaron en COSTELO, cuando era chica.  
Tiene la edad osea retrasada.  
No les parece Coffin Siris.*



**Case 9: Brida + misoprostol + Turner**  
**Speaker: Erlane Ribeiro**

Female, DOB 06/02/09, non-consanguineous parents, cesarean delivery, birth weight 1950g. Multiple malformations observed at birth: encephalocele in the right temporo-parietal region, microcephalus, agenesis of the left eyeball, right orbital fissure with distortion of the palpebral fissure, thus compromising bone plate, eyebrows and eyelashes, nasal disruption, loss of nasal anatomy, median cleft lip and palate, thin lips, micrognathia, short neck. Right hand ring constriction fingers 2,3,4, absence of distal phalanx of second finger, amputation of the third finger with absence of distal phalanges with lymphedema below the constriction. Ring constriction present on the 4<sup>th</sup> left metatarsal, absence of 1st and 2nd metatarsal. Chromosome analysis was requested by the pediatrician of the delivery room. After one week, the child was evaluated by a geneticist who diagnosed amniotic bands. A detailed medical history confirmed the use of misoprostol in pregnancy. Patient died at 1 month of life and chromosome analysis revealed 45,X/46,XX karyotype.

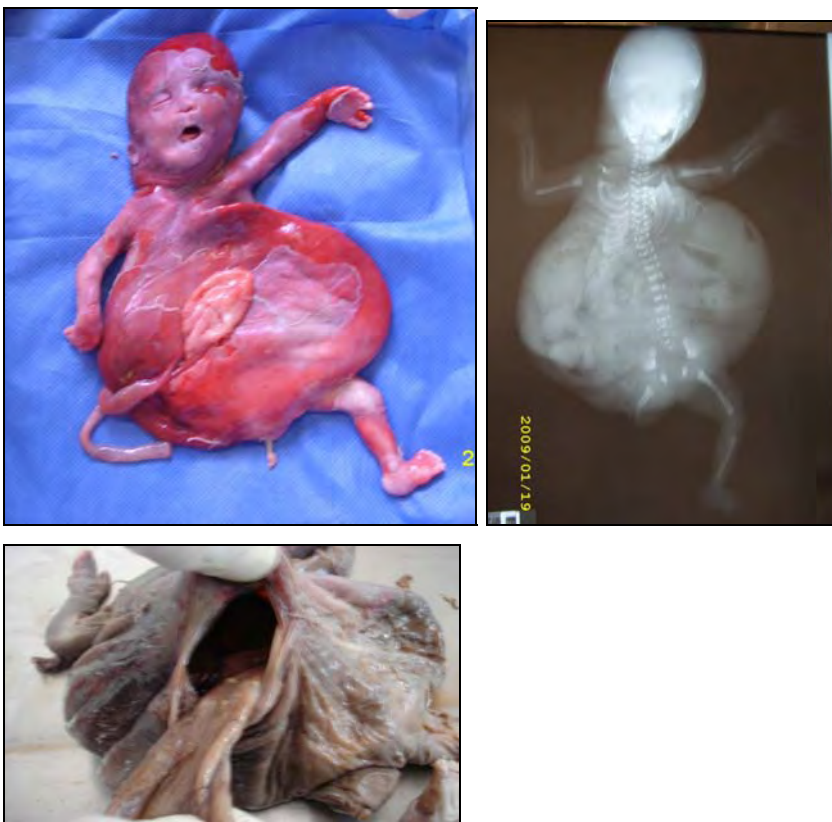
**Diagnosis:** multiple malformations associated with prenatal use of misoprostol and karyotype 45,X/46,XX.



**Case 10: Prune-Belly + focomelia MMII**  
**Speaker: Harry Pachajoa**

Proband is the son of 44-year old mother, Gesta V, with hypertension treated with alpha-methyldopa. Because of prenatal ultrasound diagnosis of fetal hydrops, mother was referred to tertiary hospital, and fetal death occurs at 23 weeks of pregnancy. The fetus has phenotypic characteristics of Prune-Belly syndrome with wall defect, exposed bowels, and right lower limb transverse terminal defect. The autopsy also found megacystis and bilateral hydronephrosis.

**Diagnosis:** Prune-Belly syndrome: a case with extreme exposure of bowel and lower limb transverse terminal defect



*HD: Prune Belly*

*Antonio: es un defecto de pared pero no es Prune Belly.*

*Piensa que puede ser desorganizacion.*

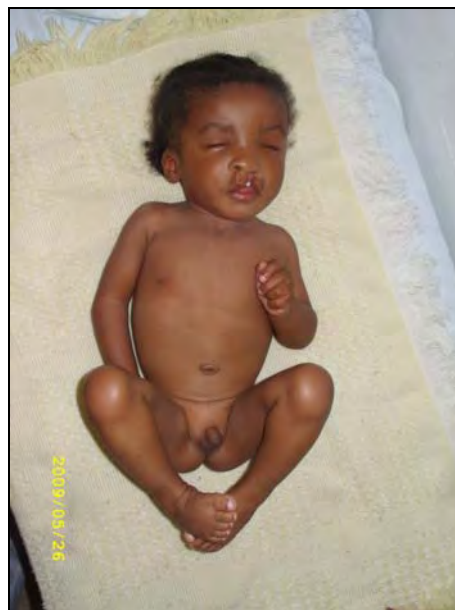
*Julio Cesar: Limb Body Wall*

*Roberto: el mecanismo de Prune Belly, hoy en dia que se puede hacer cirugía prenatal, es que sigue con vejiga hipotonica y grande, por eso no se piensa que sea mecanico. Vater por la anomalia vertebral.*

**Case 11: XX male + CLP + microphthalmia**  
**Speaker: Harry Pachajoa**

Proband is a baby with multiple malformations, born to non-consanguineous parents. Pregnancy was uneventful, and C section was performed at 38 weeks of pregnancy. Length: 45 cm. Weight: 2130 gr. At physical examination at birth unilateral cleft lip and palate and bilateral microphthalmia were noticed. Further examination disclosed congenital heart disease, bilateral inguinal hernia and bilateral cryptorchidism. He has global developmental delay. Current physical examination shows: short stature, low weight, microcephaly, anteverted nares, bilateral inguinal hernia, "clenched-like" hand, left cleft lip and palate, bilateral microphthalmia, hypoplastic empty scrotum. He is hypertonic in arms and legs and has a speech delay. Karyotype 46, XX. Total testosterone: < 10.00 ng/dl (241-827 normal range for men). DHEA: < 0.044 ug/ml. 17-OH-progesterone: 7.01 ng/ml. Echocardiogram: patent *foramen ovale*. Pelvic magnetic resonance: no uterus, ovaries, vagina, prostate or seminal glands. There are penis, corpora cavernosa, and small scrotum. In the inguinal canal there are images suggestive of testicles. SRY pending.

**Diagnosis:** 46,XX male with multiple congenital anomalies.



*José Carlos: regresión sexual XX para hombre no es común si no tiene línea XXY; pero no tiene esas malformaciones asociadas. Pensar en mosaico de trisomía 9p por duplicación del gen DMRT1. Los otros tienen malformaciones letales. Las traslocaciones X Y no justifican las malformaciones presentadas por el paciente. También podría ser un hermafrodito verdadero pero no tiene las malformaciones asociadas.*

*Pablo: podría ser una traslocación SRY/autosoma y a veces son difíciles de ver. También podría ser una delección 6p25 donde están los genes que intervienen en el desarrollo de los ojos y de los labios. Hacer FISH para buscar SRY y mejor aún molecular para SRY porque si hay mutación a veces el FISH no prende.*

**Follow up 2010.**

**Case 12: arrhinia + microphthalmia + small rib cage**  
**Speaker: Harry Pachajoa**

33 weeks, Weight: 1755 grams, Arrhinia, bilateral microphthalmia and bilateral cryptorchidism. CT brain: Microphthalmia, presence of muscles and nerves. Body multislice CT: the annotated and unilateral hypoplasia of the rib cage.

**Diagnosis:** arrhinia, microphthalmia and hypoplasia of rib cage



*Cohen: una mutación de Sonic Hedgehog descrita en AMJG 168: 215-221 2003 de Lisa Comenti o algo parecido el apellido.*

*José Carlos piensa que el PAX6 en homocigosis puede tener todo lo que este paciente tiene.*

*Ellos habían pensado en Síndrome de BOSMA que tiene todo menos las alteraciones costales pero Giachinno dice que no tiene anoftalmia sino coloboma en los ojos.*

*Julio Cesar: puede ser un Hallerman Streiff letal.*

**Case 13: dysmorphic facies + CLP + syndactyly**  
**Speaker: Harry Pachajoa**

Two brothers, children of third-degree consanguineous parents. Maternal grandmother: Cleft lip / palate. The older brother has length and weight on the 10<sup>th</sup> centile. Normal IQ. Physical exam shows syndactyly, wart-like lesions on the palate, suggesting a *forme fruste* of cleft palate. The younger sib has weight and height on the 5<sup>th</sup> centile. Normal IQ. Physical exam shows syndactyly, alopecia, bilateral cleft lip and palate. Normal karyotype in both sibs.

**Diagnosis:** dysmorphic facies, syndactyly, wart-like lesions, alopecia, and cleft lip and palate in two male sibs.



*La hipótesis diagnóstica es una alteración del gen P63 por la sindactilia de manos y pies, y de la fisura, que es autosómico dominante.*

*Pablo piensa que puede ser recesivo por la consanguinidad y sugiere hacer array de snips de homocigosis.*

**Case 14: HPE****Speaker: Julio Cesar L Leite**

Newborn, male, 28-days-old, was not born at ECLAMC. He was first child of non-consanguineous parents. There was no relevant family history, and no history of choanal atresia or hydrocephaly. Prenatal ultrasound showed: enlarged and asymmetric nostrils, bifid nose (?), underdeveloped left supraorbital ridge, downslanting palpebral fissures, cleft on left supraorbital ridge (?). Prenatal MR imaging showed ventricular dilatation. Postnatal brain CT scan: holoprosencephaly, and a defect on the orbital ridge. X-ray of the skull: defect on the left orbital ridge. Normal G-banded chromosomes.

**Diagnosis:** Cerebro-ocular-nasal spectrum syndrome (?); Bomelburgh syndrome?

**CEREBRO OCULO NASAL**

*Cohen dice que no es cerebro oculo nasal.*

*Antonio: CT holoprosencefalia, pero la face no es de cerebro oculo nasal.*

*leda hace la propuesta de que traigan DNA de los casos que no tienen diagnostico y que se presentan para hacer MLPA para microdelecciones o microdelecciones.*

**Follow up 2010.**

**Case 15: Hipodontia + hemangioliopoma**  
**Speaker: Silvia Castillo**

NRL, 19 years old. Familial hypodontia. Lumbosacral hemangioliopoma with neurosurgery at age 3 months, recurrent urinary tract infection with some degree of urinary incontinence under medical treatment until 14 years. At age seven years she is derived for evaluation to the Odontology Department because a younger brother presents a severe hypodontia. She has absence of six dental pieces (molars and premolars), dental diastasis and prognathism. Currently she is controlled for exodoncy in Hospital San Juan de Dios. Normal pregnancy, obstetric controls and ultrasonographic examinations, normal delivery at 41 weeks gestation, BW 3,120g, BL 48cm, HC 33cm. Normal psychomotor development, she walked at 15 months. Anthropometric measures in p25 to p50. She studies actually second year of Law at Universidad de Valparaíso. Menarche at 12 years, with contraceptive treatment for dysmenorrhea. The father presents with dental diastasis, the brother has severe hypodontia and a half brother would also show hypodontia, but they don't have any relationship. At the physical examination she has prognathism and absence of dental pieces with no other findings, excepting the scar in the lumbosacral area.

**Diagnosis:** familial hypodontia + hemangioliopoma sacral



*Jose Carlos dijo que hay un paper donde se habla de alteración PAX9.  
leda: Hacer MSX1*

**Case 16: disesq letal**  
**Speaker: Maria Auxiliadora**

Male stillbirth (M.H.S.), DOB: 21/07/2009. Unremarkable family history, no consanguinity or malformations reported in the family. Parents 42 and 44 years old. Pregnancy terminated at 28<sup>th</sup> week. Autopsy: macerated male fetus weighing 1040g with bilateral, symmetric, acrorhizomelic shortening of the limbs, and narrow chest. X-rays show platyspondilia, small pelvis, irregular metaphyses.

**Diagnosis:** Torrance type of platyspondiliac osteochondrodysplasia (?)



*Ieda y Giocchino: parece un tanatofórico. Giocchino: hacer molecular.*



**Case 17: Acrofacial dysotosis (¿)****Speaker: Mariana Arcena**

Proband is the first child of consanguineous parents. Small for gestacional age baby. Facial dysmorphism, cleft palate, malformed hands. Jejunal atresia operated newborn period. Failure to thrive, developmental retardation. Agenesis of left thumb. Hypoplastic right thumb with anonichia. Karyotype 46,XX. Normal brain CT scan. Abnormal polysonogram. X-rays: proximal dislocation of radius. Hearing evoked potencial study: bilateral neurosensorial hypoacusia.

**Diagnosis: Acrofacial dysotosis (¿)**

*HD Disostosis craneofacial tipo Nager.*

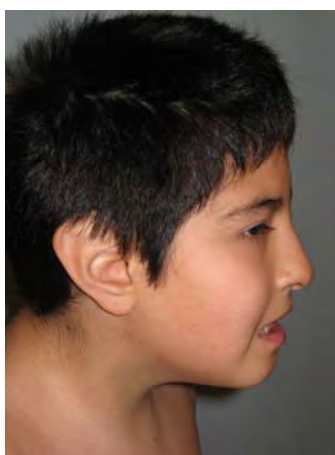
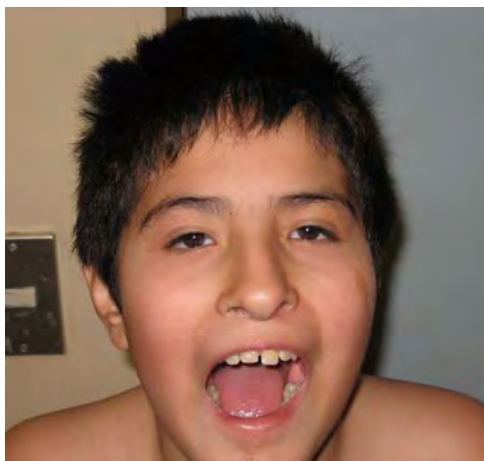
*José Carlos: Smith Lemli Opitz por la cara y la sindactilia*

*Asociación CHARGE.*

*El TORCH fue negativo.*

**Case 18: oculo-dental-digital syndrome ?****Speaker: Carmen Paz Astete**

First child, mother 22 years old, with mental retardation. Father 32 years old, normal intelligence. Proband has a paternal half sib with microcephaly. Uneventful pregnancy, no history of alcohol exposure. C-section because of podalic presentation. Weight 2200 g (small for gestational age), length 44 cm, head circumference 30 cm. Failure to thrive. speech and developmental delay. Short stature, overweight at age 10 y.o. Physical exam: head circumference 50 cm (microcephaly). Moderate mental deficiency. Narrow palpebral fissures. Microphthalmia (?). Ears: large pinnae, small ear lobules. Hypoplastic alae nasae, short columella, shortiltrum, thin lips, hypertonia. Long hands, narrow feet with long toes. Echocardiogram (4 months): small perimembranous VSD, patent ductus arteriosus. Brain ultrasound normal. Skull X-ray: no signs of craniosynostosis. Negative serology for Chagas disease, rubella, CMV, toxoplasmosis. Karyotype 46,XY. FISH for 22q11: normal. Skeletal X-rays: normal. Brain CT scan: microcephaly. Ophthalmologic evaluation: myopia.

**Diagnosis: (?)***HD: OCULODENTODIGITAL?**No se conoce a la madre.**Cohen dice que no es oculodentodigital pues no tiene sindactilia entre el 4 y 5 y la nariz es diferente del síndrome de Cohen.*

**Case 19: facial cleft + callosal agenesis****Speaker: Carmen Paz Astete**

DOB: 02.12. 2003. Gestational age: 30 weeks. Bilateral cleft lip and palate and intrauterine growth retardation diagnosed by ultrasound at the 19<sup>th</sup> week of pregnancy. Mother had hypertension and eclampsia at the 30<sup>th</sup> week of pregnancy. Cesarean section performed. Weight 1050 g, Length 36 cm, head circumference 24,5 cm. Apgar 8-9. Good suckling. Normal neurologic evaluation. Normal abdominal ultrasound and echocardiogram. Preauricular papiloma. Bilateral cleft lip and palate. Ophthalmologic evaluation: agenesis of left eyeball. Brain CT scan performed at day 56: skull asymmetry with a defect on frontal bone. Dysgenesis of corpus callosum, disorder of neuronal migration, rudimentary orbits, protruding right eye globe, left anophthalmia. Facial CT scan: absence of the following structures: left eye globe, nose, ethmoidal cells, frontal and maxillary sinuses. A bone defect in the lower maxillary.

**Diagnosis:** short stature, mental retardation, callosal agenesis, heminasal hypoplasia, microphthalmia, and atypical clefting (OMIM 605856), without mental retardation (?).



*Ahora tiene 4 años y 3 meses y no tiene retraso mental.*

*Cohen: Antonio tiene un caso igual a este con mutación GLI2.*

*Hacer como el caso 4.*

**Case 20: trisomy 9p + monosomy 9p phenotype ?  
Speaker: Cesar Saleme**

ECLAMC case – JGV 090407 – DOB 04/07/09. Young, non-consanguineous parents, primary education. No history of malformations in the family. Mother: 22 years old, secundigesta, blood group: A-. Father: 24 years old. Pregnancy: vomiting, headaches, dizziness in the first trimester. Medications: salicylic acid (1<sup>st</sup> trimester); iron supplementation (2<sup>nd</sup> trimester). corticosteroids intramuscular (3<sup>rd</sup> trimester). Mother smoked two cigarette per day, during the first trimester, five prenatal controls between weeks 16 and 37, and five ultrasounds (first ultrasound: 10/07/08). Ultrasound performed in 02/24/09 showed polyhydramnios, omphalocele, nephromegaly, VSD, and camptodactyly. Cesarean section, cephalic presentation. Weight: 3160 g, height: 47 cm; head circumference 35,5 cm; Apgar: 7/9; gestational age 37 weeks. Physical exam: trigonocephaly, ocular hypertelorism, microtia, low set malformed ears, broad nasal bridge, protruding lips, retromicrognathia, short neck, pectus excavatum, widely set nipples, omphalocele (liver and bowel), bilateral cryptorchidism, imperforate anus with recto-perineal fistula. Hands: camptodactyly, clynodactyly. Feet: Long toes. Hypoplastic nails. Brain ultrasound corpus callosum hypoplasia. Echocardiography: VSD (muscular, 4 mm), ASD. Surgical diagnosis: Meckel diverticulum. Intestinal malrotation. Karyotype: 46, XY, add(9)(p21.2). Additional material in 9p, of unknown origin, that replaces the segment 9p21.1 →pter. The patient developed progressive worsening with respiratory distress, myoclonus, hypoglycemia, and died on day 17.

**Diagnosis:** 46, XY, add(9)(p21.2)



*No hay cariotipo de los padres, hay que estudiarlos.*

*José Carlos: Clínicamente predomina el 9 p menos. Hacer FISH whole chromosome painting del 9 para ver si ese segmento de más es del 9 y si no es hay que hacer microarray.*

**Case 21: Nager – Acrofacial dysostosis syndrome (?)****Speaker: Maria Auxiliadora**

RN M.G. DOB: 11/01/09 GI PI. Mother 18 years old, father 26 years old. Uneventful 37 week pregnancy. No history of genetic diseases or consanguinity in the family. Prenatal ultrasound and magnetic resonance showed absence of left tibiae and fibulae, absence of both feet, and right hand ectrodactyly. Malar hypoplasia and pinnae defects also present.

**Diagnosis:** Radial hypoplasia –Malar hypoplasia – Ear defects  
Nager – Acrofacial dysostosis syndrome (?)



*Ahora esta con gastrostomía y traqueostomía y no tiene mímica facial.*

*Julio Cesar: defectos bilaterales y asimétrico*

*Osvaldo: puede ser cualquier cosa, ya que no se sabe con certeza antecedentes perinatales.*

*Dania: hipoglosia hipodactilia, espectro oro mandibular, pero no se sabe por no tener conocimiento de la cavidad oral.*

*Gioacchino podría ser FFU por la asimetría y lo que la parte de miembros que le falta y por la parálisis facial.*

**Follow up 2010.**

**Case 22: MIDAS ?****Speaker: Maria Auxiliadora**

Neonate (MMB – 144449), DOB: 05/02/09. Born at term (40 week pregnancy), BW 2880g to young and non consanguineous parents, mother GII PII. Prenatal ultrasound showed: intrauterine growth retardation, right cleft lip, enlargement of lateral ventricles. Brain and face CT scan: agenesis of corpus callosum, hypoplastic left eye globe, absence of left eye lens, thinning of both optic tracts.

**Diagnosis:** MIDAS – *Microphthalmia, Dermal Aplasia, Sclerocornea (?)*  
Xp22.3 – *HCCS (?) (Holocytochrome c-type synthetase)*



*HD MIDAS, Microftalmia, Aplasia Dérmica, esclerodermia cariotipo 46XX, t o del Xp22.3 La madre tiene asimetría facial.*

*José Carlos: hacer cariotipo de la madre y ver inactivación preferencial del X.*

*Hay DNA del paciente.*

*Osvaldo dice tener un caso con ese cariotipo pero no recuerda pero que tenga esos defectos.*

*El Aicardi, Goltz y Midas son genes contiguos.*

**Follow up 2010.**

### Case 23: Holoprosencephaly secondary to amniotic band rupture (?)

Speaker: Maria Auxiliadora

Female neonate A.P.M., DOB: 02/06/08. Died on neonatal period. Parents are young, non consanguineous, there is a femal second degree cousin with a neural tube defect. Mother is G IV P II Ab II. Prenatal ultrasound showed holoprosencephaly, arrhynia, ocular hypertelorism, macrocrania. Karyotype 46,XX.

**Diagnosis:** Holoprosencephaly secondary to amniotic band rupture (?)  
 Amniotic band rupture + facies + holoprosencephaly – new syndrome (?)  
 Holoprosencephaly as an indicator of genetically determined amniotic band rupture (?)  
 Holoprosencephaly + facies – new syndrome (?) Amniotic band rupture is a coincidental finding (?)



*La placenta no tenía nada para pensar en bridas (por las constricción en las manos).*

*HD: bridas con malformación facial ?*

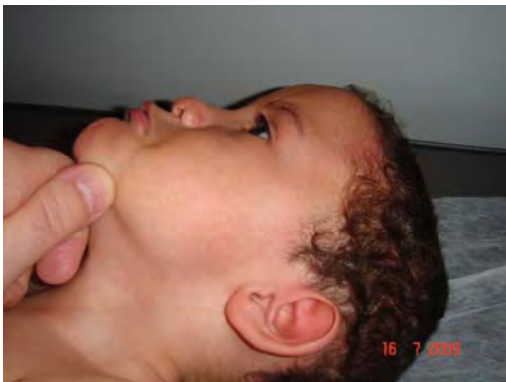
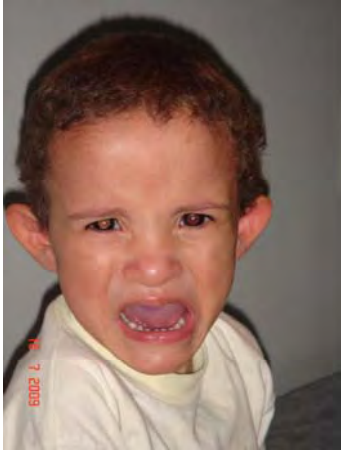
*Brida + facies + holoprosencefalia = Nuevo Síndrome.*

*leda llama la atención que hay hipertelorismo en la holoprosencefalia, pero no la produce los genes mas conocidos*

*Possum: Steinfeld, Smith Lemli Opitz*

**Caso 24: RM****Speaker: Marcos Aguiar por Sergio Pena**

Niño de 4 años padres consanguíneos sin antecedentes familiares. RMI agenesia de cuerpo calloso Prominencia frontal, hipoplasia medio facial, nariz deprimida, orejas simples y prominentes, prognatismo; criptorquidia e hipospadias. Anomalía de pie segundo dedo sobre el tercero. Cariotipo normal.



*Antonio: Síndrome de Angelman con agenesia de cuerpo calloso y sin transtorno de comportamiento; si además tiene hipospadias pensar en síndrome FG.*

*Jose Carlos: consanguinidad es lo que confunde, hipospadias y agenesia de cuerpo calloso parece FG, ver distancia ano-genital.*

*Eduardo no consideraría la consanguinidad por la alta frecuencia de consanguinidad en Minas Gerais, piensa que no tiene prognatismo ni frente prominente sino hipoplasia mediofacial.*

*Fernando piensa en Trisomía 8 mosaico, porque tiene 3 cosas, agenesia de cuerpo calloso, lábio inferior poco evertido y retardo mental.*



**Case 25: Agnathia-Holoprosencephalia**  
**Speaker: Saul Rueda**

Padres no consanguíneos de 31 y 32 años. Procedencia urbano marginal. Madre estudiante de enfermería, padre mecánico. Antecedentes del embarazo: vómitos, resfrio, infección urinaria, mastica coca ocasional. Prenatal: 7 consultas desde las 7 – 35 sem, US: 2 (31 sem polihidramnios), grupos de los padres O Rh (+), 36 semanas, peso 1.500 g, sexo femenino, presentación cefálica, parto espontáneo.



2<sup>nd</sup> case

*2 casos desde el 2007 hasta la actualidad nacidos en el B01, los dos fueron fetos muertos y uno de tipo cebocefalia por un único orificio nasal.*

*Cohen: la ultima revision cree que había 70 casos, hay 2 casos de Wisconsin con una translocación.*

*Cesar: dice que el primer caso es una OTOCEFALIA sino tiene holoprosencefalia. La ecografía prenatal decía hidrocefalia con polihidramnios.*

**Case 26. New syndrome?****Speaker: Dania**

7 meses. Sin antecedentes, nació con medidas antropométricas normal. Ex físico braquicefalia, metópica prominente, encefalocele occipitoparietal, hipospadias balánica, surco simiano bilateral, camptodactilia del cuarto dedo, clinodactilia hipoplasia marca del pulgar, braquidactilia, con hipoplasia falanges distales y medias, Lesiones de piel en el cuerpo que seguían las líneas de Blaschko bilateral. Cariotipo normal en sangre en cien metafases. NO tiene cariotipo de fibroblastos, Buen desarrollo psicomotor y la erupción dental ok.



*Nidia: caso de incontinencia pigmenti, pero hay una evolución de las lesiones y acá estas lesiones están desde el nacimiento.*

*Hipomelanosis de Ito*

*Harry: Por que no es Pallister Killian?*

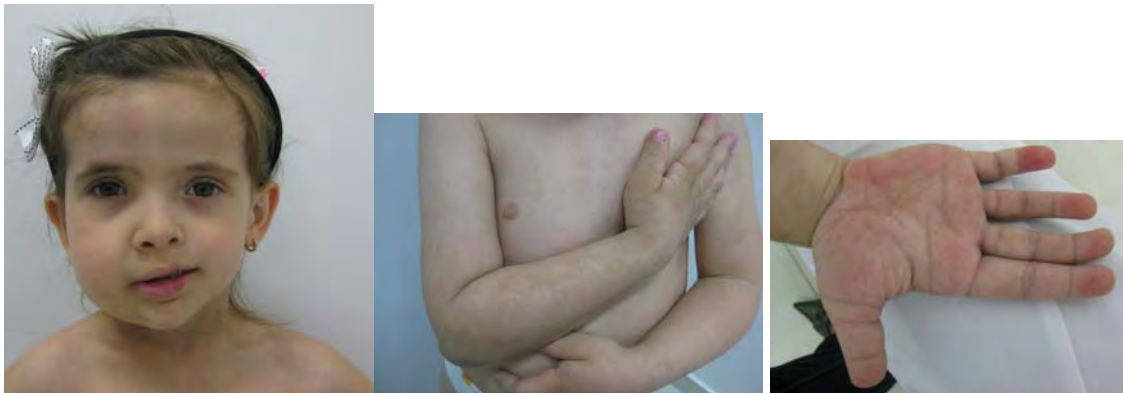
*Hacer cariotipo de Fibroblastos.*

*Gioacchino no es Pallister Killian pero igual si o si hacer cariotipo de fibroblastos.*

**Case 27: Klippel Trenaunay Weber?  
Speaker: Eliane T. Pereira**

Presentado el año pasado en la reunion del ECLAMC;  
KSK, female, age 4years and 8 months, first daughter of no consanguineos parents,normal pregnancy, cesarean delivery.Weight at birth: 4255g. Lenght: 53,5cm. The newborn presented superficial facial hemangiomas distributed in many areas of the body with normal neuro psychomotor development (parents information).

First evaluation – 35 days of life. Weight: 5730g; stature: 57,5cm; OFC: 40,5cm. Normal hair with abnormal direction in some areas of the scalp. Face: assymmetrical hypertrophy, with right proeminence. Normal ears with diferent lenght (right: 4cm; left: 3,8cm). Facial hemangiomas presented at the right side, in the posterior region of the left ear, in the cervical region, and in the right arm. Normal US: brain, thorax and abdome. 1 year, 2 months old. Ophtalmologic : normal retinal evaluation. Cranial Magnetic Ressonance compatible with right haemimegaencephaly. Normal bones and ocular orbits. Normal neuropsychomotor development. 1 year, 6 months old. Soft tumor at the left side of thorax with ultrasson sugestion of lymphangioma, that desapeared in few weeks. 2 years, 5 months old. Cranial MR: haemimegaencephaly, Normal Echocardiogram. 3 years, 5 months old. Cystic tumor at the left side of thorax - lymphangioma? (4,3/1,0/2,2cm). 4 years, 4 months old. Haemagioma in the middle tongue of about 5 x 5 mm. Irregular vascular lesions in many areas of the tongue and the body. Irregular café au lait skin pigmentation Normal psychomotor development.



*Hd: Klippel Tranaunay Weber*

*Fernando: macrocefalia cutis marmorato*

*Pablo: decir hemangiona decir malformacion capilar*

*Pablo: piel gruesa, malformacion capilar suele ser en labio superior y aquí es en labio inferior. Concuerda con macrocefalia anomalía capilar, antes llamado previamente macrocefalia cutis marmorata.*

*Hay 5 casos descriptos que tuvieron muerte súbita por anomalía electrocardiográfica.*

**Case 28: Hipoplasia femoral focal?****Speaker: Catalan**

CMP, FN: 19-10-2009, Cesárea por 2 CCA, Antecedentes maternos: embarazo con diagnóstico de displasia esquelética tipo osteogénesis imperfecta tipo 1 por imágenes sugerentes de fractura de fémur derecho. Madre 25 a. OIV Rh+ CI(+), RNT AEG 38 semanas. Apgar 9-9, PN: 3940 g. Talla: 51 cm. CC: 36,5 cm, All Rh+ CD (-). Ex físico: muslo derecho más corto y con aumento de volumen duro. ¿callo óseo? Resto normal. Diag. de ingreso: Obs fractura fémur derecho. ¿Displasia esquelética? Muslo derecho más corto y derecho, se planteó callo ósea pero en la Rx se vio solución de continuidad a ese nivel, el resto de los huesos normales, ecografía cadera normal pero el femur derecho mostró 2 partes óseas unidas por cartílago. Antecedente de luxación de cadera en la madre, la hermana y una tía dela madre Una tía de la padre tenía una pierna mas corta que la otra.

**Diag:** deficiencia focal femoral proximal*Silvia Castillo: hipoplasia femoral facies inusual es dominante**FFU compromiso variable y es AR.**Sindrome de Furman que tiene también pseudoartrosis en diferentes lugares del cuerpo**Eduardo: no se convence de hipoplasia femoral sino es la falta de osificación de un sector definido.**Gioacchino, no le parece una fractura de fémur in utero, pero no es una hipoplasia focal, no es osteogénesis imperfecta.*

**Case 29: Monte Santo families: FAMILIA PEIXINHO****Speaker: Angelina**

- 1º filho: Sem problemas
- 2º filho: MGSP
- 3º filho: Morreu com 1a e 10m de “problema de garganta”
- 4º filho: Morreu com 8m “problema de garganta”
- 5º filho: Neomorto, aos 7m
- 6º filho: Morreu 2m desnutrição, “língua pequena, língua de papagaio”, mão D “balançava”
- 7º filho: “língua de papagaio”, faleceu aos 2m desnutrição
- 8º filho: JSP, problemas aos 3m
- 9º filho: Normal, reside em Curitiba
- 10º filho: Nasceu normal, mas apresenta problemas de tireóide
- 11º filho: Normal fisicamente, porém “atinado demais, ativo, agoniado”
- 12º filho: “depressão” aos 17 anos. Diz “loucuras”. Sem defeitos no corpo
- 13º filho: ADNPM, corpo sem alterações
- 14º filho: Sem problemas
- 15º filho: Falecida aos 26 anos de uma “depressão forte”, “morreu atacada”
- 16º filho: Normal
- 17º filho: GSP
- 18º filho: Indaci

2 gestações: abortos espontâneos

**Resumen**

Familia con depresión muy severa, pulgar trifalángico o polidactilia preaxial, 2 con anomalía de tórax, 2 con retardo mental.

*Eduardo piensa en pulgar trifalángico; que esto no tiene nada que ver con el resto.*

*Además de mal medio ambiental y social.*

*Hacer un examen físico detallado y llevar aparato de RX portátil.*

*Ieda piensa que por economía buscaría gen con depresión pulgar trifalángico, lengua pequeña.*

*Silvia yo hace mucho años vio genealogía externo RM con microcefalia con compromiso del pulgar, agenesia o trifalangico con retardo mental severo, AD.*

*Pablo la polidactilia de Buitrago es solo el pulgar trifalangico aislado pero no tienen retardo mental.*

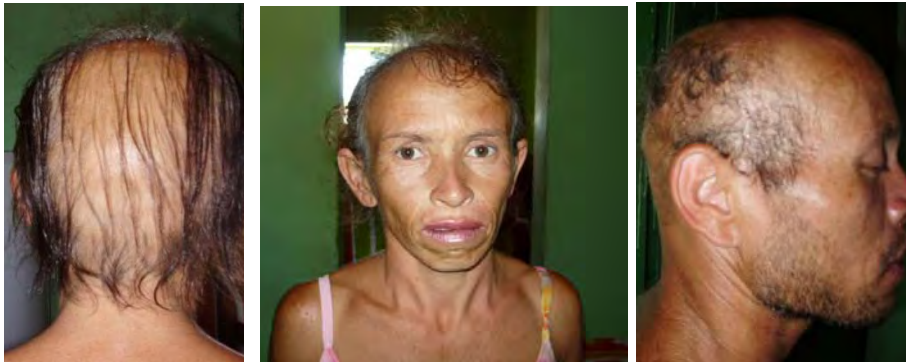
**Case 30. Monte Santo families: CARECAS**  
**Speaker: Angelina**

**Son 2 familias no relacionadas**

**CARECAS 1**

3 hermanos y una prima por lado paterno, los padres son primos hermanos. Señora de 41 años, calvicie no total, sin displasia ungueal ni de dientes, Calvicie que apareció después de la pubertad y se agravaron con los embarazos, Tuvo 11 gestas, 4 fallecieron por desnutrición. Toma medicación para depresión. Maculas hipocrómicas en el cuero cabelludo. Hermana de 28 años, sin alteración de piel, uñas ni dientes.

Manos y cara con aspecto envejecido. Dolor quemante en estómago que refirieron todas, que estuvo internado pero no tiene diagnostico. Hermano de 30 años que tenia cabello pero la alopecia aparece en la segunda década, con aspecto envejecido. Prima paterna de 28 años que esta iniciando caída de cabello, en uñas de pies tiene micosis. Hay que hacer cultivo y microscopía del cabello.



**CARECAS 2**

MA 24 años. Cabello ralo dientes pequeños. Ausencia de pelo en miembros inferiores y superiores Vello pubiano normal. Ella nació con cabello que se le fue cayendo y fue quedando con coloración mas clara. Tiene baja estatura. Tiene 5 hermanos normales.

*Eduardo : llevar tubos para sacar cabello y hacer microscopia para ayudar en la caracterización; no piensa en síndrome de envejecimiento precoz; no altera las cejas; ver si las uñas son normales*

*carecas 2: el tipo de pelo parece diferente.*

*Daniela: hay un gen de hipotricosis progressiva p2epsilon 5 es recesivo*

*Jose Carlos: en ajhg aparecio una familia con hipotricosis escoliosis cutis laxa*

*Antonio vio dos hermanas con alopecia sin otra cosa, nacieron con lanugo, perdieron lanugo y luego perdieron el pelo. AR*

*otra familia que la alopecia que comenzaba a eso de las 12 años eran 3 hermanas tambien AR.*

*Eliana en OMIM hay un caso de hipotricosis localizada.*

**Case 31: Monte Santo families: other no related families****Speaker: Angelina**

Familias no relacionadas aparentemente. Hermanos con asistencia psicosocial fenotipo similar. La hermana con deficiencia auditivos, Pensaron en Saethe Chotzen por hipoplasia malar, ojos salientes, El hermano tiene deficiencia visual. Gioacchino le parece a Dubowitz hay descriptos con craneosinostosis y macrocefalia. José Carlos dice que Dubowitz es muy sugestivo. Cohen: la falta de angulo fronto nasal le hace pensar en craneosinostosis y le parece Saethe Chotzen o algo similar. Si los padres no están afectados.

**INCISIVO CENTRAL UNICO**

NO hay antecedentes de nada.

leda dice para preguntar por estatura baja, distancia intercantal interna, respiracion noturna dificil, cuando uno piensa en holoprosencefalia. Mandarle DNA.

**PROBLEMAS OSEAS, BAJA ESTATURA DE 14 AÑOS**

Hiperlordosis, genu valgo. Aun no tiene rx

**10 AÑOS**

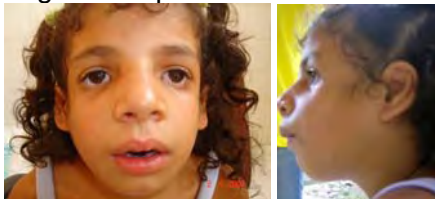
Convulsiones, problemas cardíacos, corazon grande, hipotiroidismo congenito tambien en la familia, paralisis facial, oreja malformada. sordera unilateral probable.

**PARIENTE DE CARECA 2**

PKU normal. RM 15 años frontal prominente.

**FAMILIA TC AR?**

La madre no parece afectada. Los 3 hijos estan afectados con sordera, La genetica para Treacher Collins fue negativa. Podría ser recesiva?



Alguien piensa que no es Treacher Collins?

Cohen no sabe

**OSTEOGENESIS IMPERFECTA HAR**

Padres consanguineos. Son 5 casos en una familia 3 hermanos y 2 primos. Si bien es recesiva sobrevive. Gioacchino: necesita hacer el estudio molecular

**Case 32: Tessier rare facial cleft**  
**Speaker: Saul Rueda**

Primogénita: nacida por cesarean, presentación podálica; Peso: 3680g Talla 50.5cm.

Transferida al Hospital Materno Infantil (CNS); Padres no consanguíneos, jóvenes, procedencia de San Borja-Provincia Ballivian Beni Bolivia; antecedentes del embarazo: resfrio en el segundo trimestre; escolaridad: secundaria completa; ocupación: empleado telefonía nacional; NO MALFORMADOS en la familia.

Clasificación por Paul Tessier Número de 0 – 14 por anatomía de orbita, nariz y la boca. (0-7) son hendiduras faciales y (8-14) su extensiones craneales.



*Antonio: Gran macrostomia, Es una fisura 7 grande. LA Rx muestra hipoplasia mandibular.*

*Es una cirugía muy trabajosa de toda la infancia, hacer gastrostomía.*



**Case 33: Macroductyly+syndactyly**  
**Speaker: Fernando Vargas**

En mano sindactilia y macrodactilia de 3 y 4 dedos de manos izquierda No tiene otras alteraciones físicas ni mentales.

*Cohen: casos aislados de sobrecrecimiento presente al nacimiento y sigue el crecimiento normal del niño.*

*Porque no es Proteus localizado, no existe localized Proteus porque no crecería con el niño sino que crecería mas aún.*