

On-line Table 1: Summary of data for 200 CPs providing high-quality surgical and MRI data to define topography

No.	Author, Year	Age (yr)/Sex	Third Ventricle	Pituitary Stalk	Hypothalamus Level ^a	Chiasm Cistern	MBA (°)	Chiasm Distortion	CP Shape	Topography
1	Fukushima et al, 1990 ¹	28 M	Occupied	Visible	Lower	Free	48	CF	Round	3V-Strict
2	Ikezaki et al, 1990 ²	70 F	Occupied	Visible	Lower	Free	62	CF	Round	3V-Strict
3	Iwasaki et al, 1992 ³	39 M	Occupied	Visible	Lower	Free	54	CD	Round	3V-Strict
4	Tada et al, 1992 ⁴	45 M	Occupied	Visible	Lower	Free	68	CD	Round	3V-Strict
5	Koos et al, 1993 ⁵	Child	Occupied	Not visible	Upper	Occupied	130	SU	Pearlike	Pseudo-3V
6	Koos et al, 1993 ⁵	—	Occupied	Not visible	Middle	Occupied	32	SF	Elliptical	SS-3V
7	Koos et al, 1993 ⁵	—	Occupied	Amputated	Lower	Free	50	—	Round	3V-Strict
8	Yasargil, 1994 ⁶	48 M	Occupied	Visible	Lower	Free	60	N	Round	3V-Strict
9	Maira et al, 1995 ⁷	24 M	Free	Not visible	Upper	Partial	55	N	Round	S-SS
10	Maira et al, 1995 ⁷	55 F	Occupied	Not visible	Upper	Occupied	92	—	Elliptical	Pseudo-3V
11	Maira et al, 1995 ⁷	48 F	Occupied	Not visible	Upper	Occupied	136	SU	Round	Pseudo-3V
12	Maira et al, 1995 ⁷	36 F	Occupied	Infiltrated	Middle	Free	31	SF	Round	3V-Not-Strict
13	Maira et al, 1995 ^{7,8}	25 F	Occupied	Visible	—	Free	49	CD	Elliptical	3V-Strict
14	Yarde et al, 1995 ⁹	53 M	Occupied	Visible	Lower	Free	70	—	Round	3V-Strict
15	Shibuya et al, 1996 ¹⁰	51 M	Occupied	Visible	Lower	Free	29	CD	Round	3V-Strict
16	Yasargil, 1996 ¹¹	37 M	Occupied	Not visible	Upper	Occupied	115	SU	Multilob	Pseudo-3V
17	Yasargil, 1996 ¹¹	14 M	Occupied	Amputated	Middle	Partial	—	CF	Elliptical	3V-Not-Strict
18	Yasargil, 1996 ¹¹	38 F	Occupied	Visible	Lower	Free	48	CD	Round	3V-Strict
19	Yasargil, 1996 ¹¹	10 F	Occupied	Amputated	Middle	Partial	50	—	Round	3V-Not-Strict
20	Yasargil, 1996 ¹¹	9 M	Occupied	Not visible	Upper	Occupied	70	SU	Pearlike	S-SS
21	Yasargil, 1996 ¹¹	58 M	Occupied	Infiltrated	Lower	Partial	62	SF	Elliptical	3V-Not-Strict
22	Arginteanu et al, 1997 ¹²	55 F	Occupied	Visible	Upper	Occupied	66	SF	Elliptical	S-SS
23	Davies et al, 1997 ¹³	39 M	Occupied	Visible	Lower	Free	67	CD	Round	3V-Strict
24	Inoue et al, 1997 ¹⁴	9 F	Occupied	Not visible	Upper	Occupied	—	SU	Multilob	Pseudo-3V
25	Inoue et al, 1997 ¹⁴	2 M	Occupied	Not visible	Upper	Occupied	—	SF	Multilob	Pseudo-3V
26	Ogata and Yonekawa, 1997 ¹⁵	32 M	Occupied	Visible	Lower	Free	25	CD	Elliptical	3V-Strict
27	Sipos and Vajda, 1997 ¹⁶	57 M	Occupied	Visible	Lower	Free	70	N	Round	3V-Strict
28	Tanaka et al, 1997 ¹⁷	57 M	Occupied	Amputated	Middle	Partial	—	CD	Elliptical	3V-Not-Strict
29	Türe et al, 1997 ¹⁸	17 M	Occupied	Not visible	Middle	Partial	65	CD	Elliptical	S-SS-3V
30	Urbach et al, 1998 ¹⁹	54 M	Occupied	Visible	Lower	Free	45	CD	Round	3V-Strict
31	Stark et al, 1999 ²⁰	9 F	Occupied	Not visible	Upper	Occupied	—	—	Multilob	Pseudo-3V
32	Pernezcky et al, 1999 ²¹	48 F	Occupied	Visible	Lower	Free	57	CD	Round	3V-Strict
33	Pernezcky et al, 1999 ²¹	41 F	Occupied	Amputated	Middle	Free	—	CF	Multilob	3V-Not-Strict
34	Lejeune et al, 2000 ²²	55 M	Occupied	Visible	Lower	Free	85	N	Round	3V-Strict
35	Maira et al, 2000 ⁸	51 F	Occupied	Visible	Lower	Free	52	CD	Round	3V-Strict
36	Maira et al, 2000 ⁸	25 M	Occupied	Amputated	Middle	Partial	—	CD	Round	3V-Not-Strict
37	Freitag et al, 2001 ²³	66 F	Occupied	Amputated	—	Free	20	—	Elliptical	3V-Not-Strict
38	Kitano and Taneda, 2001 ²⁴	22F	Free	Not visible	Upper	Occupied	64	SU	Dumbb	S-SS
39	Siomin et al, 2001 ²⁵	4 M	Occupied	Not visible	—	Occupied	30	—	Elliptical	SS-3V
40	Chen, 2002 ²⁶	35 M	Occupied	Amputated	—	Partial	—	CF	Elliptical	3V-Not-Strict
41	Wang et al, 2002 ²⁷	1F	Occupied	Not visible	Upper	Occupied	65	—	Pearlike	S-SS
42	Wang et al, 2002 ²⁷	15 M	Occupied	Amputated	—	Occupied	—	SF	Elliptical	3V-Not-Strict
43	Behari et al, 2003 ²⁸	11 M	Occupied	Amputated	Lower	Free	65	CF	Elliptical	3V-Strict
44	Im et al, 2003 ²⁹	13 M	Free	Not visible	Upper	Occupied	64	SU	Pearlike	S-SS
45	Im et al, 2003 ²⁹	13 F	Free	Not visible	Upper	Occupied	53	SU	Pearlike	S-SS
46	Im et al, 2003 ²⁹	14 M	Occupied	Not visible	Upper	Occupied	114	SU	Pearlike	Pseudo-3V
47	Im et al, 2003 ²⁹	5 F	Occupied	Not visible	Upper	Occupied	52	SU	Pearlike	Pseudo-3V
48	Im et al, 2003 ²⁹	6 F	Occupied	Not visible	Upper	Occupied	74	SU	Pearlike	S-SS
49	Miyoshi et al, 2003 ³⁰	54 M	Occupied	Visible	Lower	Free	—	N	Round	3V-Strict
50	Pascual et al, 2004 ³¹	47 M	Occupied	Not visible	Middle	Partial	—	CF	Round	3V-Not-Strict
51	Steno et al, 2004 ³²	—	Occupied	Not visible	Upper	Occupied	140	SU	Multilob	Pseudo-3V
52	Steno et al, 2004 ³²	—	Occupied	Amputated	—	Partial	37	N	Round	3V-Not-Strict
53	Steno et al, 2004 ^{32,33}	—	Occupied	Amputated	Middle	Partial	—	CD	Elliptical	3V-Not-Strict
54	Steno et al, 2004 ³²	—	Occupied	Visible	Lower	Free	45	CF	Round	3V-Strict
55	Dusick et al, 2005 ³⁴	79 M	Occupied	Amputated	Middle	Partial	20	CF	Multilob	3V-Not-Strict
56	Dusick et al, 2005 ³⁴	42 F	Occupied	Not visible	Upper	Partial	50	SF	Elliptical	S-SS
57	Kamikawa and Inui, 2005 ³⁵	4 F	Occupied	Amputated	—	Partial	52	N	Elliptical	3V-Not-Strict
58	Lena et al, 2005 ³⁶	7 M	Occupied	Not visible	Middle	Occupied	—	—	Multilob	SS-3V
59	Pierre-Kahn, et al 2005 ³⁷	7 M	Occupied	Not visible	Upper	Occupied	82	SF	Multilob	SS-3V
60	Sato et al, 2005 ³⁸	80 M	Occupied	Visible	Lower	Free	54	CF	Round	3V-Strict
61	Thompson et al, 2005 ³⁹	8 M	Free	Not visible	Upper	Occupied	61	SU	Multilob	SS
62	Dhellemes and Vinchon, 2006 ⁴⁰	3.5 M	Occupied	Not visible	Upper	Occupied	—	SU	Multilob	Pseudo-3V
63	Dhellemes and Vinchon, 2006 ⁴⁰	8 M	Occupied	Amputated	Middle	Free	—	CF	Round	3V-Not-Strict
64	Fraioli et al, 2006 ⁴¹	17F	Occupied	Amputated	Middle	Partial	28	CF	Elliptical	3V-Not-Strict
65	Frank et al, 2006 ⁴²	41 M	Occupied	Not visible	Upper	Occupied	110	SF	Elliptical	Pseudo-3V
66	Nishizawa et al, 2006 ⁴³	36 M	Occupied	Amputated	Middle	Free	52	CF	Round	3V-Strict
67	Al-Mefty et al, 2007 ⁴⁴	7 F	Occupied	Not visible	Middle	Occupied	38	SF	Elliptical	SS-3V
68	Al-Mefty et al, 2007 ⁴⁴	4 F	Occupied	Not visible	Upper	Occupied	130	CF	Multilob	Pseudo-3V
69	De Divitiis et al, 2007 ⁴⁵	57 M	Occupied	Visible	Lower	Free	40	CD	Round	3V-Strict
70	De Divitiis et al, 2007 ⁴⁵	68 M	Occupied	Not visible	Upper	Occupied	44	SB	Multilob	SS-3V
71	Kassam et al, 2008 ⁴⁶	36 F	Occupied	Visible	Upper	Occupied	63	SU	Round	SS
72	Kassam et al, 2008 ⁴⁶	44 M	Occupied	Amputated	Middle	Free	15	CF	Round	3V-Not-Strict
73	Kiran et al, 2008 ⁴⁷	6 M	Occupied	Not visible	Upper	Occupied	135	SU	Multilob	Pseudo-3V
74	Kiran et al, 2008 ⁴⁷	10 F	Occupied	Not visible	Upper	Occupied	130	SU	Multilob	Pseudo-3V
75	Kwon et al, 2008 ⁴⁸	13 F	Occupied	Not visible	Middle	Occupied	33	—	Multilob	S-SS-3V

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On-line Table 1: Continued

No.	Author, Year	Age (yr)/Sex	Third Ventricle	Pituitary Stalk	Hypothalamus Level ^a	Chiasm Cistern	MBA (°)	Chiasm Distortion	CP Shape	Topography
76	Fatemi et al, 2009 ^{49,50}	55 F	Occupied	Not visible	Upper	Occupied	94	CF	Multilob	Pseudo-3V
77	Fatemi et al, 2009 ⁴⁹	65 M	Occupied	Infiltrated	Middle	Partial	—	CD	Elliptical	3V-Not-Strict
78	Kurimoto et al, 2009 ⁵¹	4 F	Occupied	Not visible	Middle	Partial	44	CF	Elliptical	3V-Not-Strict
79	Jane et al, 2010 ⁵²	76 F	Occupied	Amputated	Lower	Free	37	CD	Round	3V-Not-Strict
80	Jane et al, 2010 ⁵²	43 M	Occupied	Infiltrated	Middle	Partial	27	CF	Round	3V-Not-Strict
81	Jane et al, 2010 ⁵³	6 F	Occupied	Not visible	Upper	Occupied	100	SU	Multilob	Pseudo-3V
82	Jane et al, 2010 ⁵³	10 M	Occupied	Not visible	Upper	Occupied	131	SU	Dumbb	Pseudo-3V
83	Romani et al, 2010 ⁵⁴	18 F	Occupied	Amputated	Middle	Partial	—	CF	Round	3V-Not-Strict
84	Wisoff and Elliott, 2010 ⁵⁵	9 F	Free	Not visible	Upper	Occupied	54	SU	Multilob	SS
85	Wisoff and Elliott, 2010 ⁵⁵	7 M	Occupied	Not visible	Middle	Occupied	—	SF	Multilob	S-SS-3V
86	Bertalanffy et al, 2011 ⁵⁶	46 M	Occupied	Amputated	Lower	Free	27	CD	Round	3V-Strict
87	Bertalanffy et al, 2011 ⁵⁶	34 M	Occupied	Visible	Lower	Free	51	CD	Elliptical	3V-Strict
88	Figueiredo et al, 2011 ⁵⁷	42 F	Free	Visible	Upper	Partial	66	N	Round	SS
89	Ishii, 2011 ⁵⁸	—	Occupied	Infiltrated	Middle	Partial	28	CF	Elliptical	3V-Not-Strict
90	Liu et al, 2011 ⁵⁹	53 F	Occupied	Not visible	Middle	Occupied	37	CF	Elliptical	SS-3V
91	Liu et al, 2011 ⁵⁹	52 F	Occupied	Not visible	Upper	Occupied	53	SU	Dumbb	S-SS
92	Liu, 2011 ⁶⁰	29 F	Occupied	Not visible	Middle	Partial	17	CF	Multilob	SS-3V
93	Mortini et al, 2011 ^{61,62}	38 F	Occupied	Infiltrated	Middle	Partial	13	SF	Round	3V-Not-Strict
94	Pan et al, 2011 ⁶³	—	Occupied	Visible	Middle	Free	24	N	Round	3V-Strict
95	Pan et al, 2011 ⁶³	—	Occupied	Amputated	Lower	Free	40	CD	Round	3V-Strict
96	Pan et al, 2011 ⁶³	—	Occupied	Amputated	Middle	Free	27	N	Round	3V-Not-Strict
96	Pascual et al, 2011 ⁶⁴	49 F	Occupied	Amputated	Middle	Free	22	CD	Round	3V-Not-Strict
98	Pascual et al, 2011 ⁶⁴	48 M	Occupied	Amputated	Middle	Free	21	CD	Round	3V-Not-Strict
99	Qi et al, 2011 ⁶⁵	—	Occupied	Not visible	Upper	Occupied	133	—	Pearlike	Pseudo-3V
100	Qi et al, 2011 ⁶⁵	—	Free	Not visible	Upper	Occupied	67	SB	Dumbb	S-SS
101	Qi et al, 2011 ⁶⁵	—	Free	Not visible	Upper	Occupied	54	SU	Round	SS
102	Qi et al, 2011 ⁶⁵	—	Occupied	Not visible	Middle	Occupied	36	SU	Multilob	SS-3V
103	Qi et al, 2011 ⁶⁵	—	Occupied	Not visible	Middle	Occupied	53	SF	Dumbb	S-SS-3V
104	Qi et al, 2011 ⁶⁵	—	Occupied	Visible	—	Free	—	CD	Round	3V-Strict
105	Qi et al, 2011 ⁶⁵	—	Occupied	Amputated	—	Partial	—	CF	Elliptical	3V-Not-Strict
106	Stamm et al, 2011 ⁶⁶	42 F	Occupied	Amputated	Lower	Free	39	CF	Elliptical	3V-Not-Strict
107	Xie et al, 2011 ⁶⁷	37 M	Occupied	Amputated	Middle	Free	20	CD	Round	3V-Not-Strict
108	Borba, 2012 ⁶⁸	—	Occupied	Not visible	Upper	Occupied	105	N	Multilob	SS-3V
109	Endoscopic Surgeons, 2012 ⁶⁹	—	Occupied	Amputated	Middle	Partial	43	CD	Elliptical	3V-Not-Strict
110	Kaptain et al, 2012 ⁷⁰	80 —	Free	Not visible	Upper	Partial	67	SU	Round	SS
111	Kenning et al, 2012 ⁷¹	21 F	Occupied	Infiltrated	Middle	Partial	17	CF	Round	3V-Not-Strict
112	Liu and Eloy, 2012 ⁷²	50 M	Occupied	Amputated	Middle	Free	27	CD	Round	3V-Not-Strict
113	Mallucci et al, 2012 ⁷³	Child	Free	Not visible	Upper	Occupied	77	SU	Pearlike	S-SS
114	Ali et al, 2013 ⁷⁴	11 M	Occupied	Amputated	Middle	Free	38	CD	Elliptical	3V-Not-Strict
115	Bosnjak et al, 2013 ⁷⁵	51 M	Occupied	Visible	—	Free	35	CF	Round	3V-Strict
116	Bosnjak et al, 2013 ⁷⁵	60 F	Occupied	Infiltrated	—	Partial	39	SF	Round	3V-Not-Strict
117	Bosnjak et al, 2013 ⁷⁵	69 F	Occupied	Not visible	Upper	Occupied	66	SU	Round	S-SS
118	Cavallo et al, 2013 ⁷⁶	45 F	Occupied	Not visible	Middle	Occupied	58	SF	Dumbb	S-SS-3V
119	Cavallo et al, 2013 ⁷⁶	53 M	Occupied	Not visible	Middle	Partial	27	SF	Elliptical	SS-3V
120	Chamoun and Couldwell, 2013 ⁷⁷	66 F	Occupied	Visible	Lower	Free	40	CD	Round	3V-Strict
121	Chamoun and Couldwell, 2013 ⁷⁷	64 M	Occupied	Visible	Lower	Free	—	—	Round	3V-Strict
122	de Lara et al, 2013 ⁷⁸	67 F	Occupied	Amputated	Middle	Free	66	—	Round	3V-Not-Strict
123	Dugani and Morab, 2013 ⁷⁹	12 M	Occupied	Not visible	Upper	Occupied	158	SU	Multilob	Pseudo-3V
124	Fatemi et al, 2013 ⁸⁰	Ad	Occupied	Amputated	Middle	Partial	—	CF	Multilob	3V-Not-Strict
125	Gardner, 2013 ⁸¹	65 M	Occupied	Amputated	Upper	Free	31	CD	Round	3V-Not-Strict
126	Jhawar, 2013 ⁸²	8 M	Occupied	Not visible	Upper	Occupied	135	SU	Pearlike	Pseudo-3V
127	Liu, 2013 ⁸³	52 M	Occupied	Amputated	Middle	Partial	35	CD	Multilob	SS-3V
128	Nogueira et al, 2013 ⁸⁴	7 F	Occupied	Amputated	Middle	Free	52	CF	Round	3V-Not-Strict
129	Prieto et al, 2013 ⁸⁵	32 M	Occupied	Amputated	Middle	Partial	66	CF	Elliptical	3V-Not-Strict
130	Rutka, 2012 ⁸⁶	47 M	Occupied	Amputated	Middle	Partial	27	CD	Round	3V-Not-Strict
131	Rutka, 2012 ⁸⁶	41 M	Occupied	Not visible	Upper	Occupied	135	SU	Multilob	Pseudo-3V
132	Rutka, 2012 ⁸⁶	10 F	Occupied	Not visible	Middle	Free	39	CD	Elliptical	SS-3V
133	Schenider and Schaeffer, 2013 ⁸⁷	20 —	Occupied	Infiltrated	—	Partial	25	SF	Round	SS-3V
134	Schenider and Schaeffer, 2013 ⁸⁷	Ad	Occupied	Amputated	—	Partial	17	SU	Round	3V-Not-Strict
135	Steno, 2013 ³³	—	Occupied	Not visible	Upper	Occupied	86	SU	Dumbb	S-SS
136	Steno, 2013 ³³	—	Occupied	Not visible	Upper	Occupied	128	SU	Round	SS
137	Steno, 2013 ³³	—	Occupied	Not visible	Upper	Occupied	141	SU	Multilob	Pseudo-3V
138	Steno, 2013 ³³	—	Occupied	Infiltrated	Middle	Partial	14	—	Elliptical	3V-Not-Strict
139	Ulutaz, 2013 ⁸⁸	Child	Occupied	Infiltrated	Middle	Free	73	N	Elliptical	3V-Not-Strict
140	Zada, 2013 ⁸⁹	Ad	Occupied	Not visible	Upper	Occupied	—	SU	Round	S-SS
141	Boop and Wait, 2014 ⁹⁰	8 F	Occupied	Not visible	Middle	Occupied	—	—	Multilob	SS-3V
142	Chu and Oyesiku, 2014 ⁹¹	54 M	Occupied	Not visible	Middle	Occupied	27	—	Elliptical	SS-3V
143	Chu and Oyesiku, 2014 ⁹¹	29 M	Occupied	Not visible	Upper	Occupied	—	SF	Elliptical	Pseudo-3V
144	Chu and Oyesiku, 2014 ⁹¹	61 F	Occupied	Infiltrated	Middle	Partial	51	SF	Elliptical	3V-Not-Strict
145	Chu and Oyesiku, 2014 ⁹¹	32 F	Occupied	Visible	Lower	Free	42	CD	Elliptical	3V-Strict
146	Conger et al, 2014 ⁹²	—	Occupied	Amputated	Middle	Partial	35	SF	Round	3V-Not-Strict
147	Gerganov et al, 2014 ⁹³	37 —	Occupied	Not visible	Middle	Occupied	55	—	Multilob	SS-3V
148	Gerganov et al, 2014 ⁹³	5 —	Occupied	Not visible	Middle	Occupied	9	—	Multilob	Pseudo-3V
149	Lopez-Arbolay, 2014 ⁹⁴	Child	Occupied	Not visible	Upper	Occupied	138	SU	Pearlike	Pseudo-3V
150	Ogawa et al, 2014 ⁹⁵	38 F	Occupied	Infiltrated	—	Partial	35	CD	Round	3V-Not-Strict
151	Qing et al, 2014 ⁹⁶	48 F	Occupied	Not visible	Upper	Occupied	124	SU	Multilob	Pseudo-3V

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On-line Table 1: Continued

No.	Author, Year	Age (yr)/Sex	Third Ventricle	Pituitary Stalk	Hypothalamus Level ^a	Chiasm Cistern	MBA (°)	Chiasm Distortion	CP Shape	Topography
152	Tawk et al, 2014 ⁹⁷	45 F	Occupied	Not visible	Middle	Occupied	153	SF	Round	Pseudo-3V
153	Tawk et al, 2014 ⁹⁷	46 M	Occupied	Not visible	Middle	Occupied	31	CD	Round	3V-Not-Strict
154	Türeyen, 2014 ⁹⁸	36 M	Occupied	Visible	Lower	Free	22	CD	Round	3V-Strict
155	Wang et al, 2014 ⁹⁹	17 M	Free	Not visible	Upper	Occupied	83	SU	Pearlike	S-SS
156	Wang et al, 2014 ⁹⁹	21 F	Free	Not visible	Upper	Occupied	88	SU	Pearlike	S-SS
157	Wang et al, 2014 ⁹⁹	16 F	Free	Not visible	Upper	Occupied	87	SU	Multilob	S-SS
158	Wang et al, 2014 ⁹⁹	35 F	Free	Not visible	Upper	Occupied	93	SU	Pearlike	S-SS
159	Wright, 2014 ¹⁰⁰	—	Occupied	Amputated	Middle	Free	43	CF	Round	3V-Not-Strict
160	Balasubramaniam et al, 2015 ¹⁰¹	4 F	Occupied	Not visible	Middle	Occupied	—	—	Multilob	SS-3V
161	Gu et al, 2015 ¹⁰²	31 F	Occupied	Infiltrated	Middle	Partial	25	CF	Round	3V-Not-Strict
162	Gu et al, 2015 ¹⁰²	41 M	Occupied	Visible	—	Free	29	CD	Round	3V-Strict
163	Hide et al, 2015 ¹⁰³	—	Free	Not visible	Upper	Occupied	87	SU	Round	SS
164	Kelly et al, 2015 ¹⁰⁴	74F	Occupied	Not visible	Upper	Occupied	118	SU	Multilob	Pseudo-3V
165	Lu et al, 2015 ¹⁰⁵	—	Occupied	Not visible	Upper	Occupied	50	SB	Pearlike	S-SS
166	Lu et al, 2015 ¹⁰⁵	—	Free	Not visible	Upper	Occupied	93	SU	Pearlike	S-SS
167	Lu et al, 2015 ¹⁰⁵	—	Free	Not visible	Upper	Occupied	85	SU	Dumbb	S-SS
168	Mortini, 2015 ¹⁰⁶	—	Occupied	Not visible	Upper	Occupied	73	SF	Elliptical	SS-3V
169	Mortini, 2015 ⁶²	32 F	Occupied	Amputated	Middle	Partial	27	CD	Round	3V-Not-Strict
170	Mortini, 2015 ⁶²	7 F	Occupied	Not visible	Upper	Partial	131	SU	Elliptical	Pseudo-3V
171	Mortini, 2015 ⁶²	55 F	Occupied	Amputated	Middle	Free	47	CD	Round	Not-3V-Strict
172	Mortini, 2015 ⁶²	56 M	Free	Not visible	Upper	Occupied	119	SU	Round	SS
173	Mortini, 2015 ⁶²	40 F	Occupied	Not visible	Upper	Occupied	136	SU	Multilob	Pseudo-3V
174	Nimhans, 2015 ¹⁰⁷	—	Occupied	Amputated	Middle	Free	40	CD	Round	3V-Not-Strict
175	Rock and Pabaney, 2015 ¹⁰⁸	—	Occupied	Infiltrated	Middle	Partial	29	CD	Elliptical	3V-Not-Strict
176	Saikali and Mourkarzel, 2015 ¹⁰⁹	5 M	Free	Not visible	Upper	Partial	77	N	Round	S
177	Tosaka et al, 2015 ¹¹⁰	69 M	Occupied	Visible	Lower	Free	39	CD	Round	3V-Strict
178	Yano et al, 2015 ¹¹¹	52 M	Occupied	Visible	Lower	Free	29	CD	Round	3V-Strict
179	Yilmazlar, 2015 ¹¹²	38 M	Occupied	Not visible	Upper	Occupied	60	SU	Round	SS
180	Choudry and Chang, 2016 ¹¹³	32 M	Occupied	Not visible	Middle	Occupied	—	CF	Round	3V-Not-Strict
181	Cohen-Gadol, 2016 ¹¹⁴	50 M	Occupied	Not visible	Upper	Occupied	77	SU	Round	S-SS
182	Cohen-Gadol, 2016 ¹¹⁵	62 F	Free	Not visible	Upper	Occupied	87	SU	Round	SS
183	Grady, 2016 ¹¹⁶	25 F	Occupied	Visible	Lower	Free	—	CF	Round	3V-Not-Strict
184	Janakiram, 2016 ¹⁷	21 F	Occupied	Not visible	Middle	Occupied	20	—	Multilob	3V-Not-Strict
185	Jean et al, 2016 ¹¹⁸	80 F	Occupied	Infiltrated	Middle	Occupied	—	—	Multilob	3V-Not-Strict
186	Nishioka et al, 2016 ¹¹⁹	65 F	Occupied	Visible	Middle	Free	36	CD	Round	3V-Strict
187	Nishioka et al, 2016 ¹¹⁹	29 F	Occupied	Amputated	Middle	Free	19	CF	Round	3V-Not-Strict
188	Nishioka et al, 2016 ¹¹⁹	5 M	Occupied	Amputated	Middle	Partial	43	CD	Elliptical	3V-Strict
189	Pan et al, 2016 ¹²⁰	—	Occupied	Not visible	Upper	Occupied	102	SU	Elliptical	SS
190	Pan et al, 2016 ¹²⁰	—	Occupied	Not visible	Upper	Occupied	138	SU	Round	SS
191	Pan et al, 2016 ¹²⁰	—	Occupied	Not visible	Upper	Occupied	163	SF	Multilob	Pseudo-3V
192	Pan et al, 2016 ¹²⁰	6 F	Occupied	Amputated	Middle	Free	39	SF	Round	3V-Not-Strict
193	Pan et al, 2016 ¹²⁰	7 M	Occupied	Amputated	Middle	Free	—	—	Multilob	3V-Strict
194	Pan et al, 2016 ¹²⁰	58 M	Occupied	Amputated	—	Occupied	34	—	Elliptical	3V-Not-Strict
195	Weil et al, 2016 ¹²¹	29 F	Occupied	Amputated	Middle	Partial	62	CF	Elliptical	3V-Not-Strict
196	Authors' case	81 M	Occupied	Amputated	Middle	Free	33	CD	Elliptical	3V-Strict
197	Authors' case	70 M	Occupied	Amputated	Middle	Free	41	CD	Elliptical	3V-Not-Strict
198	Authors' case	47 F	Occupied	Visible	Lower	Free	34	CD	Round	3V-Strict
199	Authors' case	44 M	Occupied	Amputated	Middle	Free	18	N	Round	3V-Strict
200	Authors' case	28 M	Occupied	Amputated	Middle	Partial	44	SF	Elliptical	3V-Not-Strict

Note:—Ad indicates adult; CD, compressed downward; CF, compressed forward; Lower, lower third; Middle, midthird; N, normal position and shape; Not-Strict, not strictly intraventricular or infundibulo-tuberal; Pseudo-3V, suprasellar pseudointraventricular; SB, stretched backward; SF, stretched forward; SU, stretched upward; 3V-Strict, strictly intraventricular; Upper, upper third; —, not available; Dumbb, dumbbell; Multilob, multilobulated; S, sellar; SS, suprasellar.

^a Hypothalamus level with respect to the tumor.

On-line Table 2: Categorization of CP topography, surgical outcome, and major radiologic variables analyzed in the cohort of 200 craniopharyngiomas

Variables	Valid Percentage
CP topography	
Sellar-Suprasellar	18.5%
Pseudo-3V	16%
Secondary-3V	12%
3V-Not-Strict (infundibulo-tuberal)	32.5%
3V-Strict	21%
Surgical outcome	
Good	40.6%
Fair	43.2%
Poor	12.9%
Death	3.2%
Radiologic variables analyzed on conventional T1- and T2-weighted MRI scans	
CP shape ^a	
Round	42%
Elliptical	22.5%
Multilobulated	22.5%
Pearlike	9%
Dumbbell	4%
Occupation of intracranial compartments along the sella-3V axis	
Sella turcica	
Free	58.5%
Partially occupied	16%
Wholly occupied	25.5%
Chiasmatic cistern ^a	
Free	33%
Partially occupied (tumor bulging)	23.5%
Wholly occupied	43.5%
Third ventricle ^a	
Free	10.5%
Occupied	89.5%
Distortion of anatomic structures along sella-3V axis	
Pituitary stalk ^a	
Wholly visible	18.5%
Infiltrated by tumor	8%
Amputated (lower half visible)	27%
Not visible	46.5%
Third ventricle floor	
Wholly visible	29.5%
Only mamillary bodies visible	57%
Not visible	13.5%
Hypothalamus level relative to the CP ^a	
Lower third	19%
Midthird	42%
Upper third	39%
Mamillary body angle ^a	
Hyperacute (<30°)	18%
Acute (30°–59°)	31.5%
Straight or slightly acute (60°–89°)	19.5%
Obtuse (≥90°)	15.5%
Not measurable	15.5%
Optic chiasm ^a	
Not distorted (normal position and shape)	7%
Compressed downward	24%
Compressed forward	17.5%
Stretched forward	12.5%
Stretched upward	26%
Stretched backward	1%
Not visible	11.5%

Note:—Secondary-3V indicates secondary intraventricular category.

^a Variables included in the multivariate model to define the CP topography.

ON-LINE APPENDIX

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