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Supplemental material

Reappraisal of intradural findings in Chiari malformation type I

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Supplemental Table 1. The 6 patients included in this table represent the clinical and surgical findings of patients with Chiari 1.5 (4 patients), and/or clivoaxial angle abnormalities (2 patients). These patients had a similar PFDD procedure done as the main cohort, except for one patient who demonstrated additional atlanto-axial synostosis and instability requiring a preoperative halo placement followed by Chiari decompression and occipital-to-C2 instrumented fusion.

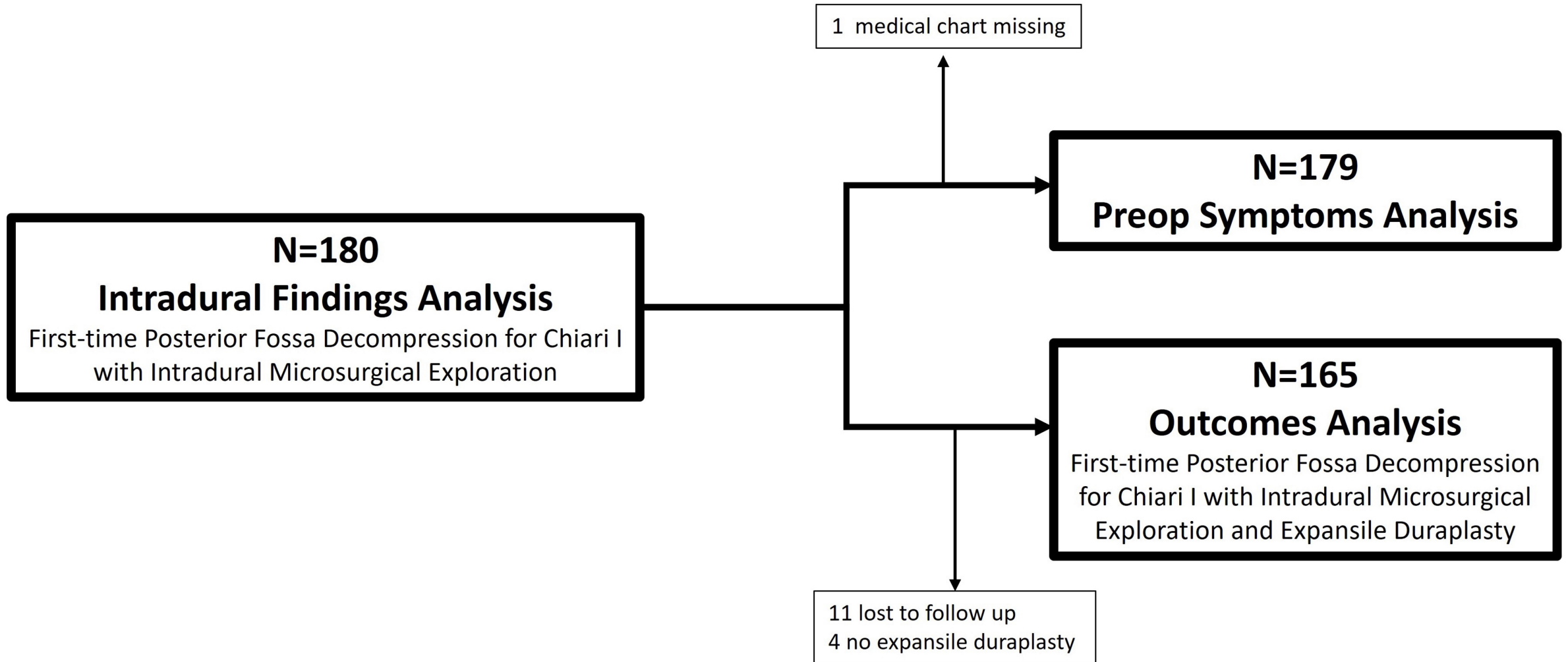
PREOPERATIVE SYMPTOMS	<i>f</i>(%)
Syrinx	1 (20)
Scoliosis	0
Headache	5 (100)
Neck pain	4 (80)
Valsalva headaches	4 (80)
Muscle stiffness	1 (20)
Light sensitivity/photophobia	1 (20)
Blurry vision, visual changes or difficulties	4 (80)
Upper extremity sensory deficits	0
Upper extremity paresthesias	0
Fatigue	2 (40)
Pressure sensation	3 (60)
Vertigo, dizziness	1 (20)
Difficulty swallowing	2 (40)
Neurocognitive symptoms	3 (60)
Brain fog, difficulty thinking	2 (40)
Tinnitus	1 (20)
Hearing deficits, muffled hearing	3 (60)
INTRADURAL FINDINGS	<i>f</i>(%)
Arachnoid abnormality	
Arachnoid thickening	5 (100)
Arachnoid opacification	5 (100)
Arachnoid adhesions, strands, or folds	2 (40)
Obstruction of foramen of Magendie	
Tonsillar obstruction	5 (100)
PICA obstruction	1 (20)
Arachnoid web at the obex	4 (80)
Tonsil abnormality	
Ischemic gliotic tonsils	4 (80)
Tonsillar cyst	1 (20)
Vascular Compression	2 (40)

Supplemental Table 2: Syring Levels and Postoperative Change

Characteristic	Total (N=179)	Adults Age ≥21, n=106	Children Age <21, n=73	p
Syrinx Level	42 (23%)	16 (38%)	26 (62%)	0.041
Cervical	12 (29)	5 (19)	7 (44)	
Cervical+Thoracic	20 (48)	15 (58)	5 (31)	
Thoracic	3 (7)	2 (8)	1 (6)	
Holocord	7 (17)	4 (15)	3 (19)	
Postoperative Syring				
Complete				
Resolution	9 (21)			
Improvement	17 (40)			
Stability	8 (19)			
No data	8 (19)			

Supplemental Figure 1

Cohort Diagram



Frequency of Concurrent Intradural Findings

