

Supplemental Table 1: Diagnostic categories and the type of MRI study conducted for the patients. Patients in DEX-group received intranasal administration of 3 µg/kg dexmedetomidine before magnetic resonance imaging, while patients in THIO group received no premedication before MRI.

	Dexmedetomidine				Thiopental			
	DEX ALL	DEX1	DEX2	DEX3	THIO ALL	THIO1	THIO2	THIO3
Diagnostic categories (n)	100	20	50	30	100	24	53	23
Neurology	21	3	11	7	24	5	11	8
Neurosurgery	7	2	4	1	8	1	7	0
Ophthalmology	4	1	3	0	4	0	3	1
Hematology/Oncology	8	0	3	5	7	1	5	1
Genetic	5	0	2	3	8	2	5	1
Rheumatologic	17	3	9	5	12	0	5	7
Trauma	16	3	9	4	11	6	4	1
Other	22	8	9	5	26	9	13	4
Type of MRI (n)								
Head	52	11	26	15	59	16	30	13
Extremity	21	4	11	6	16	3	8	5
Spine	8	2	4	2	7	1	3	3
Pelvis	5	1	3	1	4	1	2	1
Whole body	3	0	1	2	7	2	4	1
Abdomen	7	2	2	3	3	1	2	0
Other	4	0	3	1	4	0	4	0