ON-LINE FIG 1. Voxel-based volume segmentation of ON, ONS, and hypophysis for each MR imaging section. As an example, patient 4 was chosen for a typical radiomorphologic presentation of IIH. *A*, Segmentation of ONS (red) in the axial plane shows severe tortuosity of the right ON. *B–L*, Coronal scans with selection of distended ONS and ON of the right optic tract (corresponding to *A*). Given planes are in order of rising distance to the papilla of the right ON (*B* = 2 mm, *C* = 4 mm, *D* = 6 mm, *E* = 8 mm, *F* = 10 mm, *G* = 12 mm, *H* = 14 mm, *I* = 16 mm, *J* = 18 mm, *K* = 20 mm, *L* = 22 mm). *M–Q*, Sagittal scans with selection of compressed hypophysis tissue in order from left to right (*O* indicates volume segmentation in the midsagittal plane [red] with visible infundibulum above the hypophysis; distance to midsagittal plane [−, left; +, right]; *M*, −4.5 mm; *N*, −1.5 mm; *P*, +1.5 mm; *Q*, +4.5 mm).

On-line Table: Clinical profile of patients

No.	Sex	Age (yr)	BMI (kg/m²)	CSF Opening Pressure Maximum (cm H₂O)	Pain Intensity Maximum (VAS)	Post-puncture Relief of Pain	Light Sensitivity	Noise Sensitivity	Tinnitus	Pulsatile Tinnitus	Vertigo	Reported Impaired Vision	Visual Disturbances						
													Worsening of Visual Acuity	Flashes	Transient Visual Obscurations	Scotoma	Papilledema	Blurred Vision	Diplopia
1	F	48	46.02	32.0	8.00	–	–	–	–	–	+	–	–	–	–	–	–	–	–
2	M	32	28.41	30.0	4.00	–	–	+	+	+	+	+	–	–	–	–	R	–	–
3	M	61	33.65	32.5	4.86	–	+	+	+	+	–	+	LR	LR	L	L	–	LR	R
4	F	44	32.02	–	8.65	+	+	+	–	–	+	+	LR	–	LR	LR	–	LR	R
5	F	21	24.09	40.0	7.97	+	+	+	–	–	+	+	–	LR	–	LR	–	–	R
6	F	27	30.46	43.0	7.57	+	+	+	–	–	+	+	LR	LR	–	LR	LR	LR	–
7	F	30	28.28	42.0	1.89	+	–	–	–	–	–	–	–	–	–	–	–	–	–
8	F	46	49.01	43.0	0.95	+	+	–	–	–	+	+	LR	–	R	LR	LR	LR	–
9	F	20	29.40	30.0	9.05	+	+	+	–	–	–	+	LR	LR	–	R	–	LR	–
10	F	28	31.71	39.0	9.30	+	+	+	–	–	+	+	–	–	R	LR	LR	R	R
11	F	63	26.29	31.0	5.68	+	+	+	+	–	+	+	L	–	L	L	–	L	–
12	F	61	38.14	31.0	7.97	+	+	+	–	–	+	+	LR	LR	L	LR	LR	–	R
13	F	40	40.90	50.0	9.59	+	+	+	–	–	+	+	–	–	LR	LR	LR	LR	–
14	F	41	32.32	35.0	9.73	+	–	+	+	–	+	+	LR	–	LR	LR	LR	R	R
15	F	20	33.56	40.0	9.86	+	+	+	–	–	+	+	–	–	R	R	–	L	L
16	M	33	54.57	31.0	8.51	+	–	–	+	+	–	+	L	L	L	L	LR	L	–
17	F	27	29.04	31.0	2.70	–	–	–	+	–	+	+	–	–	–	LR	LR	–	R
18	F	35	36.76	50.0	6.49	+	–	–	–	–	–	+	–	LR	–	–	–	LR	L
19	F	56	30.85	36.0	9.00	+	–	–	–	–	+	+	–	LR	–	–	–	–	R
20	F	25	31.22	50.0	9.80	+	+	–	+	+	–	+	L	LR	LR	LR	LR	L	R
21	F	41	25.88	29.0	7.84	+	+	–	+	–	+	+	–	LR	–	LR	LR	–	L
22	F	33	26.61	42.0	7.70	+	+	–	–	–	+	+	–	–	–	LR	LR	R	R
23	F	20	31.64	40.0	6.00	+	+	–	+	–	–	+	LR	–	–	R	–	–	R
Ratio/mean/%	F/M = 20:3	37.04 ± 13.72	33.51 ± 7.67	37.61 ± 6.93	7.09 ± 2.62	78.26%	60.87%	52.17%	39.13%	17.39%	60.87%	91.30%	47.83%	39.13%	43.48%	73.9%	56.52%	52.17%	43.48%

Note:—indicates left; R, right; –, negative for this finding; +, positive for this finding; BMI, body mass index; VAS, visual analog scale.