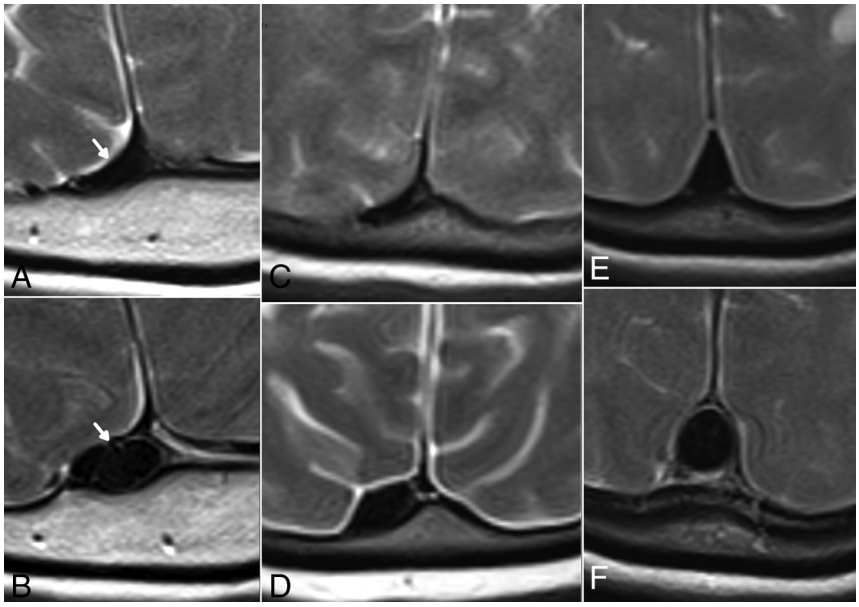

ON-LINE FIGURE. Three examples of the billowing sail sign are provided. The *upper row* represents preshunt T2 images of the sagittal sinus just above the torcular in 3 patients; the *lower row*, the postshunt images. The change in contour from convex to concave is the billowing sail sign. *A* and *B*, A 33-year-old man with idiopathic hydrocephalus and shunt malfunction before and after replacement. The *white arrows* show the change from concave to convex. *C* and *D*, A 14-year-old girl with hydrocephalus secondary to cryptococcal meningitis. *E* and *F*, A 28-year-old woman with idiopathic hydrocephalus.

On-line Table 1: Sinus hydraulic diameter resistance and pressure

	Age (yr)	Sagittal Sinus Hd (mm)	Straight Sinus Hd (mm)	Sagittal Sinus Resistance (Pa/mL/s)	Straight Sinus Resistance (Pa/mL/s)	Sagittal Sinus Pressure (mm Hg)	Straight Sinus Pressure (mm Hg)
Control ($n = 20$)							
Mean	44	6.2	3.2	15.9	108	0.7	1.3
SD	14	1.0	0.5	8.8	95	0.4	1.0
Hydrocephalus ($n = 21$)							
Mean	44	4.9	3.2	42.3	86	1.4	0.8
SD	11	0.8	0.4	35.3	57	1.1	0.4
P value Con vs HY	.96	<.001[a]	.65	.002[a]	.38	.01[a]	.04[a]
IIH ($n = 20$)							
Mean	40	6.5	3.2	13.8	89	0.6	1.1
SD	10	1.3	0.5	8.4	64	0.4	0.6
P value Con vs IIH	.31	.33	.70	.4	.48	.44	.44

Note:—Con indicates control; Hd, hydraulic diameter; HY, hydrocephalus.
[a] *T* test *P* value < .05.

On-line Table 2: Hydrocephalus before and after shunt insertion

	Sagittal Sinus Hd (mm)	Straight Sinus Hd (mm)	Sagittal Sinus Resistance (Pa/mL/s)	Straight Sinus Resistance (Pa/mL/s)	Sagittal Sinus Pressure (mm Hg)	Straight Sinus Pressure (mm Hg)
Hydrocephalus ($n = 8$)						
Mean	4.9	3.5	65	61	2.1	0.6
SD	1.3	0.5	75	27	2.1	0.3
Postshunt ($n = 8$)						
Mean	7.3	3.6	10	53	0.4	0.6
SD	1.4	0.5	9	30	0.3	0.3
P value HY vs PS	.007[a]	.60	.05[a]	.72	.05[a]	.72

Note:—PS indicates postshunt; Hd, hydraulic diameter; HY, hydrocephalus.
[a] *T* test *P* value < .05.