Appendix 3: Sensitivity analyses of results from meta-analysis of the association between chronic cerebrospinal venous insufficiency and multiple sclerosis (MS) (part 1 of 2)

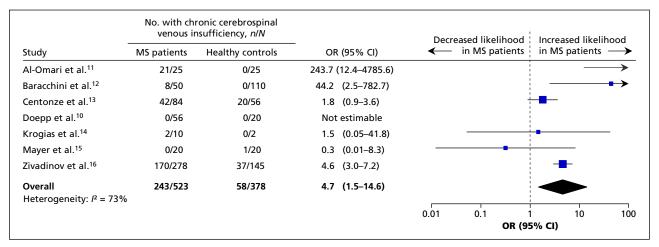


Figure A: Sensitivity analysis of diagnosis of chronic cerebrospinal venous insufficiency in patients with MS versus healthy controls, with study by Zamboni et al.⁴ removed.

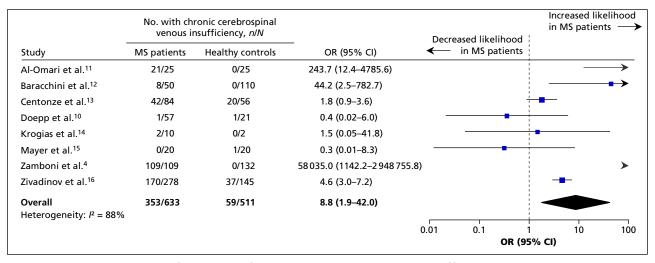


Figure B: Sensitivity analysis of diagnosis of chronic cerebrospinal venous insufficiency in patients with MS versus healthy controls, with study by Doepp et al.¹⁰ included (1 added to each cell).

Note: Citations are available in the main article. CI = confidence interval, OR = odds ratio.

Appendix 3: continued (part 2 of 2)

 Study	No. with chronic cerebrospinal venous insufficiency, <i>n/N</i>			Decreased likelihood	Increased likelihood	
	MS patients	Healthy controls	OR (95% CI)	← in MS patients		
Al-Omari et al. ¹¹	21/25	0/25	243.7 (12.4–4785.6)		→	
Baracchini et al.12	8/50	0/110	44.2 (2.5–782.7)			
Centonze et al. ¹³	42/84	20/56	1.8 (0.9–3.6)			
Doepp et al. ¹⁰	1/57	1/21	0.4 (0.02-6.0)		i <u>. </u>	
Krogias et al.14	2/10	0/2	1.5 (0.05–41.8)		-	
Mayer et al. ¹⁵	0/20	1/20	0.3 (0.01–8.3)		<u> </u>	
Zivadinov et al. ¹⁶	170/278	37/145	4.6 (3.0–7.2)		-	
Overall	244/524	59/379	3.7 (1.2–11.0)			
Heterogeneity: <i>I</i> ² = 72%				0.01 0.1 OR (9	1 10 100 5% CI)	

Figure C: Sensitivity analysis of diagnosis of chronic cerebrospinal venous insufficiency in patients with MS versus healthy controls, with study by Zamboni et al.⁴ removed and study by Doepp et al.¹⁰ included (1 added to each cell).

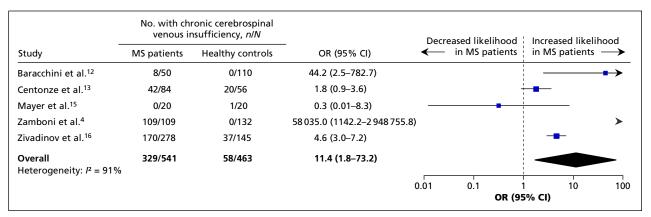


Figure D: Sensitivity analysis of diagnosis of chronic cerebrospinal venous insufficiency in patients with MS versus healthy controls, with nonblinded studies (by Al-Omari et al., 11 Doepp et al. 10 and Krogias et al. 14) removed.

Study	No. with chronic cerebrospinal venous insufficiency, n/N			Decreased likelihood			Increased likelihood		
	MS patients	Controls with OND	OR (95% CI)	←	in MS pati				
Baracchini et al. 12	8/50	0/60	24.2 (1.4–430.7)			-	-	>	
Krogias et al. ¹⁴	2/10	0/5	3.2 (0.1-81.0)				-		
Zivadinov et al. ¹⁶)	170/278	11/24	1.9 (0.8–4.3)				H		
Overall	180/338	11/89	3.5 (0.8–15.8)						
Heterogeneity: $I^2 = 37$	%			0.01	0.1	1	10	100	
				OR (95% CI)					

Figure E: Sensitivity analysis of diagnosis of chronic cerebrospinal venous insufficiency in patients with MS versus controls with OND (other neurologic disease), with study by Zamboni et al.⁴ removed.

Note: Citations are available in the main article. CI = confidence interval, OR = odds ratio.