

Through application of our surgical decision algorithm, we found that many symptoms of Chiari I malformation patients from our conservative cohort either improved or remained unchanged over time. However, the presence of cough headaches was a significant negative predictor of concomitant symptom improvement. This further validates that patients with cough headaches are more likely to benefit from and should be considered for surgical intervention. Patients with cough headaches may benefit from conservative Chiari I malformation treatment using a decision algorithm similar to our practice.