

Timing of Syring Reduction and Stabilization after Posterior Fossa Decompression for Pediatric Chiari Malformation-I

The goal of our study is to determine the clinical outcomes, timing of syrinx reduction, when it starts and when it stabilizes, and symptom resolution (including syrinx-related neurological symptoms as well as improvement in scoliosis curve) after posterior fossa decompression (PFD) surgery for pediatric patients with CM-I (Chiari Malformation I) (and CM-0).

Specific Aims

Aim 1: To determine the incidence of syringomyelia in children with CM-I and CM-0 treated at our institution.

Aim 2: To determine the clinical outcomes in these children undergoing posterior fossa decompression.

Aim 3: To determine the timing of syrinx reduction, when it starts and when it stabilizes, and symptom resolution after posterior fossa decompression for CM-I and CM-0.