

Adult Outcomes

Most surgical studies report that about 80% of patients experience some level of symptom relief; however, many adults with Chiari are left with at least moderate levels of disability.

Conservative

- Unfortunately, there is virtually no outcome data available on conservatively managed adults

Surgical outcomes can be assessed in a number of ways...

Selected Adult Surgical Outcome Studies - Physician Assessed

AUTHORS	COUNTRY	YEAR	# PATIENTS	RESOLVED	IMPROVED	NO CHANGE	WORSE
Klekamp	Germany	2012	359	-	78%	18%	4%
Ndiaye et al.	France	2019	29	21%	62%	14%	3%
Giammetti et al.	France	2017	38	-	84%	5%	11%
Chotai	USA	2014	42	-	84%	12%	4%

Symptom Specific Improvement

Headaches	74-93%	Parasthesia	70%	Visual Disturbances	~50%
Blackouts	86%	Neck Pain	65%	Balance Issues	~50%
Gait Disturbances	83%				

Patient Reported: Parker

Significantly Better	22	44%
Slightly Better	11	22%
Same	6	12%
Slightly Worse	8	16%
Markedly Worse	3	6%

Parker et al. Health Transition Index of 50 Surgical Adult Patients (36 Female/14 Male)

Patient Reported: C1000 tables

Resolved	19	2.6%
Improved Significantly	296	40.2%
Improved Slightly	231	31.3%
No Change	63	8.5%
Got Worse	128	17.4%

Chiari1000 Patient Reported Symptom Outcomes of 737 Surgical Adult Patients (687 Female/55 Male)

Factors That Influence Surgical Outcomes

- Surgeon, Depression, Symptom Severity, Duration of Symptoms, Related Conditions, Family History of Chiari