

Utility of Postop Esophageal Manometry in Patients with Zenker's Diverticula

Aliani R, Holcomb A, Yalamanjali S, Garnett JD

Postoperative use of manometry for patients who undergo surgical repair for Zenker's diverticula (ZD) is a low-risk and cost-effective way to assess for concurrent esophageal motility disorders.

Manometry Results and Patient Outcomes

(abnormal results shaded in blue)

	LES Basal Pressure	LES Residual Pressure	UES Basal Pressure	UES Residual Pressure	Peristaltic Swallows	Abnormal Swallows (Total)	Hiatal Hernia	Recurrence	Symptomatic at Follow-Up
Normal Range	10-45mmHg	<13 mmHg	30-120 mmHg	<12 mmHg	≥90%	<10%			
Patient 1	6.4	-4.2	23.3	0	18	81	Yes	Yes	Yes
Patient 2	10.7	0.9	0.9	-4.2	100	0	No	No	No
Patient 3	55.2	10.1	16.2	3.4	10	90	Yes	Yes	Yes
Patient 4	15.4	6.4	12.4	0	100	0	No	No	No
Patient 5	11	4.2	30.1	7.6	60	40	No	No	No
Patient 6	23.6	4.9	28.4	-2.1	60	40	No	No	Yes
Patient 7	31.3	11.1	19.2	-1.8	100	0	No	No	No
Patient 8	20.5	3.7	24.4	-1	90	10	Yes	No	Yes

Patients with Zenker's diverticula were noted to have high rates of abnormal manometry, and those with abnormal manometry were more likely to have continued symptoms.