

# Indian Normative Values for 16-channel HREM system

## Posture and Bolus type – specific

Metric	CC diagnosis	CC (solid state system)	Indian cutoffs (16-ch water perfused system)		
		Supine (water) <sup>1</sup>	Supine (water) <sup>2</sup>	Sitting (water) <sup>3</sup>	Sitting (solid: Mini Idli ) <sup>4</sup>
IRP	<i>Achalasia / EGJ OO (median)</i>	> 15	> 13	> 13.9	> 21.3
DL	<i>Diffuse eso. spasm (≥ 20% swallows)</i>	< 4.5	< 4.5	< 4.5	< 4.6
DCI	<i>Ineffective eso. motility (≥70% swallows)</i>	100 – 450	70 – 350	30 – 115	200 – 500
	<i>Absent contractility (100% swallows)</i>	< 100	< 70	< 30	< 200
	<i>Hypercontractile (≥ 20% swallows)</i>	> 8000	> 4500	> 4500	> 5900

Ref: 1. Yadlapati R et al. Neurogastroenterol Motil. 2020; 33: e14058.

2. Srinivas M et al. Neurogastroenterol Motil. 2018 Jun 1:e13386. doi: 10.1111/nmo.13386.

3. Srinivas M et al. J Neurogastroenterol Motil 2020;26:61-66. doi: 10.5056/jnm19082.

4. Srinivas M et al. ISGCON 2023 Presidential poster 11.