Sheffield Teaching Hospitals NHS
NHS Foundation Trust

High-Resolution Oesophageal Motility Study

Northern General Hospital
Dept of GI Physiology
0114 271 4293
Sheffield

Patient:					
AGIP 2025, Template	Gender:	Female	Referred by:		
MRN: 123456789	DOB / Age:	01/02/2003	Operator:	Gianni Raise	
	Height:	170cm	Weight: 60kg	BMI: 20.8	
	Procedure:	Oesophageal HRM	Examination Date:	10/11/2025	

Lower Oesophageal Sphincter Region		Normal
Landmarks		
Proximal LOS (from nares)(cm)	44.3	
LOS length(cm)	3.4	2.7-4.8
Oesophageal length (LOS-UOS centers)(cm)	28.0	
Intraabdominal LOS length(cm)	1.2	
Hiatal hernia?	No	
LOS Pressures		
Pressure meas. method	eSleeve ,IRP	
Basal (respiratory mean)(mmHg)	24.0	13-43
Residual (mean)(mmHg)	9.6	
Residual (median)(mmHg)	9.4	<12.0
Residual (highest)(mmHg)	12.4	
Percent relaxation(%)	68	>40.0%

Upper Oesophageal Sphincter		Normal
Mean basal pressure(mmHg)	49.5	34-104
Mean residual pressure(mmHg)	-1.0	<12.0
Relaxation duration(ms)	708	480-1020

Oesophageal Motility		Normal
Number of swallows evaluated	10	
Chicago Classification		
% failed	0	
% weak	0	
% panesophageal pressurization	0	
% premature contraction	0	
% fragmented	0	
% intact	100	
Number of hypercontractile swallows	0	
Additional High Resolution Parameters		
Distal latency	4.9	
Distal contractile integral(mean)(mmHg-cm-s)	1398.8	450-8000
Distal contractile integral(highest)(mmHg-cm-s)	2026.9	

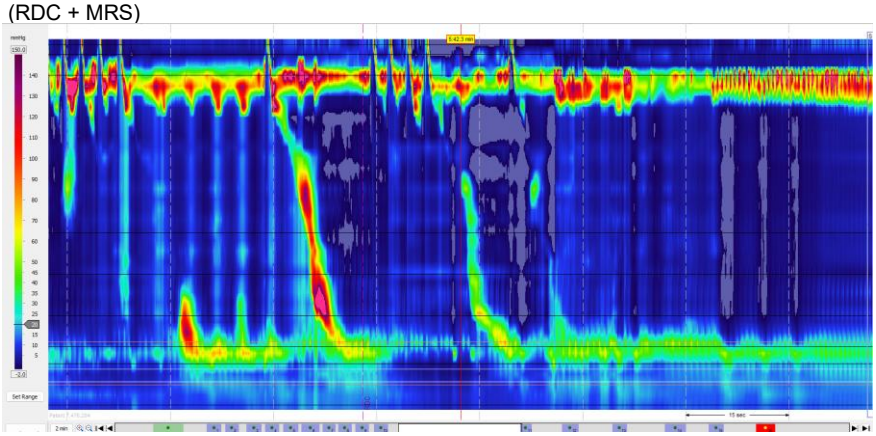
Technical (Clinical Scientist/Investigator's) Report

Reason for Referral (provided by referrer)
Patient presents with a 2-year history of tight chest pain, regurgitation of acid and persistent throat clearing which have all been unresponsive to PPI treatment. They currently take Famotidine.

GERD-HRQL Questionnaire Score=25/50

Study Quality:
Technical Limitations: None
Patient position: Upright
Patient Tolerance: Good
Symptoms: None reported during testing
Medication affecting test: No, famotidine ceased for testing

(RDC + MRS)



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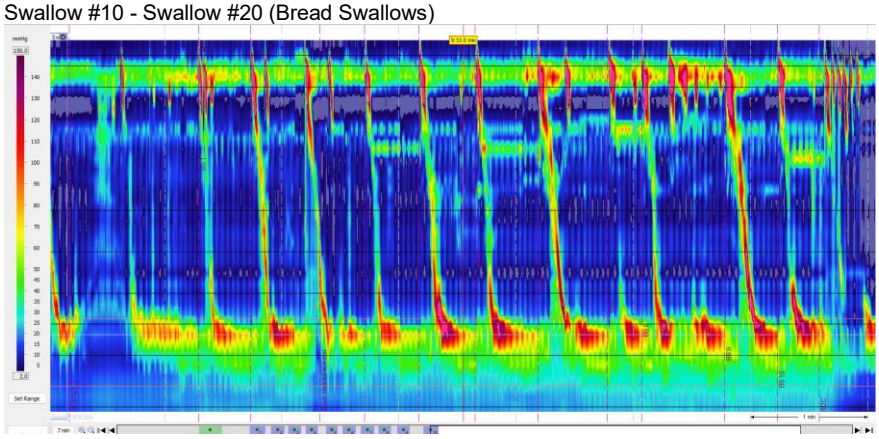
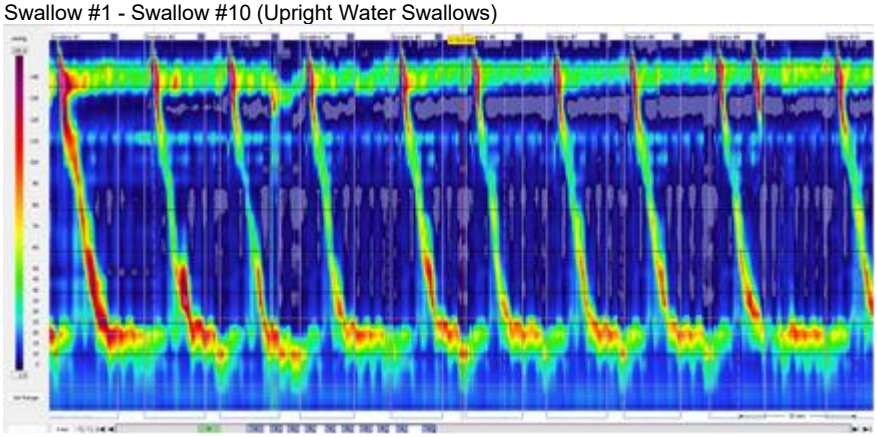
Swallow #10 - Swallow #20 (Bread Swallows)



Swallow #1 - Swallow #10 (Upright Water Swallows)



Oesophageal Manometry Summary

Lower Oesophageal Sphincter: Normotensive
Hiatus Hernia: No evidence of a hiatus hernia
LOS Relaxation: Normal

Upper Oesophageal Sphincter Function: Normal
Oesophageal Motility Classification: Normal oesophageal motility

Adjunctive Tests;
RDC: Normal LOS relaxation
MRS: Peristaltic reserve observed
Bread Swallows: Supportive of normal oesophageal motility

Please see additional report for the 24 hour pH/Impedance study