Esophageal manometry

Patient name:	L-U1****3125	Investigation date:	2020/01/07
Gender:	Male	Investigation nr:	01
Date of birth:		Hospital:	??????
Patient number:	-	Investigator:	-
Height:	-	Referred by:	-
Weight:	-		

Average of 10: Wet swallow 5 ml

Chicago classification[3] *

Ineffective esophageal motility

* The normal values and analysis are according to the Chicago Classification[3] as published in Neurogastroenterology & Motility, 2015, Vol. 27, Issue 2, p160-174. The classification is valid for adults and based on series of 10 swallows of 5 ml water each, swallowed in a supine posture. The Chicago Classification is only applicable for primary esophageal motility disorders. The actual diagnosis remains under all circumstances the responsibility of the clinician/physician.

Esophagus

DCI	22 mmHg.s.cm
CFV	>100 cm/s
Peristaltic breaks	16.5 cm
Largest break	15.9 cm
Distal Latency	9.1 s

UES

Upper border	19.5 cm
IRP 0.2 s	1.7 mmHg
IRP 0.8 s	11.2 mmHg

LES

Upper border	47.4 cm
IRP 4 s	0.4 mmHg
Intraabdominal length	2.7 cm

Scoring parameter percentages[3]

Scoring		Intrabolus pressure pattern	
Normal	0 %	Normal	0 %
Ineffective	100 %	EGJ	0 %
Failed contraction	90 %	Compartmentalized	0 %
Premature	0 %	Panesophageal	0 %
Hyper	0 %	Unknown pressurization	100 %
Fragmented	0 %		

Average esophagus results

Wet swallow 5 ml	DCI mmHg.s.cm	CFV cm/s	Peristaltic breaks cm	Distal Latency s
1	0	3.1	18.9	7.8
2	0	3.1	18.8	8.2
3	0	3.1	18.8	7.9
4	0	3.1	18.8	8.6
5	0	3.1	18.9	7.6
6	17	3.1	16.0	7.3
7	1	3.1	17.8	7.2
8	0	3.1	19.6	6.9
9	194	>100	0.6	10.1
10	4	0.1	16.4	19.1
Average	22	>100	16.5	9.1

Patient number:

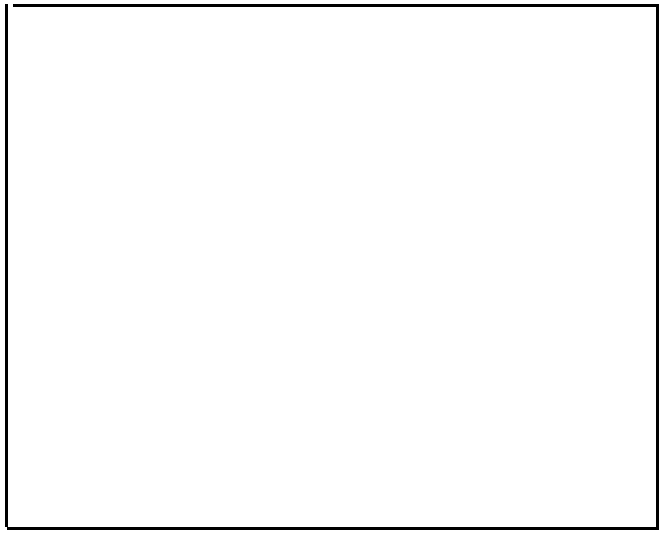
Average UES results

Wet swallow 5 ml	Upper border cm	IRP 0.2 s mmHg	IRP 0.8 s mmHg
1	19.5	-1.4	14.9
2	19.5	2.4	12.9
3	19.5	3.9	12.5
4	19.5	2.2	11.9
5	19.5	2.3	11.0
6	19.5	0.9	8.3
7	19.5	1.5	9.3
8	19.5	1.2	9.3
9	19.5	2.5	9.7
10	19.5	1.6	12.2
Average	19.5	1.7	11.2

Average LES results

Wet swallow 5 ml	Upper border cm	IRP 4 s mmHg	Intraabdominal length cm
1	47.4	-0.1	2.7
2	47.4	1.9	2.7
3	47.4	2.3	2.7
4	47.4	1.1	2.7
5	47.4	1.1	2.7
6	47.4	-1.5	2.7
7	47.4	0.6	2.7
8	47.4	-0.4	2.7
9	47.4	-4.2	2.7
10	47.4	3.7	2.7
Average	47.4	0.4	2.7

Average of 5: leg--Wet swallow



Chicago classification[3] *

Normal

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Esophagus

DCI	1027 mmHg.s.cm
CFV	>100 cm/s
Peristaltic breaks	0.0 cm
Largest break	0.0 cm
Distal Latency	11.5 s

UES

Upper border	19.5 cm
IRP 0.2 s	2.1 mmHg
IRP 0.8 s	15.7 mmHg

LES

Upper border	47.4 cm
IRP 4 s	4.4 mmHg
Intraabdominal length	2.7 cm

Patient number:

Scoring parameter percentages[3]

Scoring		Intrabolus pressure pattern	
Normal	100 %	Normal	0 %
Ineffective	0 %	EGJ	0 %

Failed contraction	0 %	Compartmentalized	0 %
Premature	0 %	Panesophageal	0 %
Hyper	0 %	Unknown pressurization	100 %
Fragmented	0 %		

Average esophagus results

leg--Wet swallow	DCI mmHg.s.cm	CFV cm/s	Peristaltic breaks cm	Distal Latency s
1	816	>100	0.0	10.1
2	1157	3	0.0	9.1
3	630	4	0.0	19.5
4	1576	3	0.0	10.0
5	958	>100	0.0	8.8
Average	1027	>100	0.0	11.5

Average UES results

leg--Wet swallow	Upper border cm	IRP 0.2 s mmHg	IRP 0.8 s mmHg
1	19.5	4.9	14.8
2	19.5	6.0	19.8
3	19.5	-4.0	10.4
4	19.5	3.8	20.2
5	19.5	-0.1	13.5
Average	19.5	2.1	15.7

Average LES results

leg--Wet swallow	Upper border cm	IRP 4 s mmHg	Intraabdominal length cm
1	47.4	1.6	2.7
2	47.4	2.5	2.7
3	47.4	13.4	2.7
4	47.4	3.1	2.7
5	47.4	1.1	2.7
Average	47.4	4.4	2.7

Patient number:

Average of 5: MRS

Chicago classification[3] *

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Esophagus

DCI	146 mmHg.s.cm
CFV	3.8 cm/s
Peristaltic breaks	5.1 cm
Largest break	3.9 cm
Distal Latency	4.5 s

UES

LES

Upper border	19.5 cm	Upper border	47.4 cm
IRP 0.2 s	0.1 mmHg	IRP 4 s	1.5 mmHg
IRP 0.8 s	12.3 mmHg	Intraabdominal length	2.7 cm

Scoring parameter percentages[3]

Scoring		Intrabolus pressure pattern	
Normal	20 %	Normal	0 %
Ineffective	80 %	EGJ	0 %
Failed contraction	80 %	Compartmentalized	0 %
Premature	0 %	Panesophageal	0 %
Hyper	0 %	Unknown pressurization	100 %
Fragmented	0 %		

Average esophagus results

MRS	DCI mmHg.s.cm	CFV cm/s	Peristaltic breaks cm	Distal Latency s
1	0	3.5	6.3	7.9
2	458	4.4	2.1	7.4
3	238	3.6	0.0	0.9
4	28	3.1	8.8	5.3
5	5	4.2	8.1	0.9
Average	146	3.8	5.1	4.5

Average UES results

MRS	Upper border cm	IRP 0.2 s mmHg	IRP 0.8 s mmHg
1	19.5	2.4	16.3
2	19.5	1.9	14.4
3	19.5	-0.2	12.8
4	19.5	-2.2	5.7
5	19.5	-1.5	12.4
Average	19.5	0.1	12.3

Patient number:

Average LES results

MRS	Upper border cm	IRP 4 s mmHg	Intraabdominal length cm
1	47.4	1.0	2.7
2	47.4	0.8	2.7
3	47.4	0.5	2.7
4	47.4	1.1	2.7
5	47.4	4.4	2.7
Average	47.4	1.5	2.7

Resting pressure #1

Scoring

Hiatal hernia	No
UES resting pressure	Hypotensive
LES resting pressure	Normal

UES		LES	
Upper border	19.5 cm	Upper border	47.4 cm
Resting pressure (mean)	30.3 mmHg	Resting pressure (mean)	11.4 mmHg
Resting pressure (minimal)	25.0 mmHg	Resting pressure (minimal)	-1.3 mmHg
		EGJ-CI	17 mmHg.cm

Attending physician

Investigator

Disclaimer[3]:

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The analysis is based on:

IRP Normal upper limit	19.0 mmHg	MMS Water-perfused