

Section: Clinical

Procedure No.

Procedure Title: Structured Assessment of Gastrointestinal Symptoms Scale

Review Officer: Director of
Gastroenterology & Hepatology

Review Summary: Version 1

Applicable To: Gastroenterology

Date Introduced: October 2017

Next Review Date: October 2020

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References:

Koloski NA, Jones M, Hammer J, von Wulffen M, Shah A, Hoelz H, Kutyla M, Burger D, Martin N, Gurusamy SR, Talley NJ, Holtmann G. The Validity of a New Structured Assessment of Gastrointestinal Symptoms Scale (SAGIS) for Evaluating Symptoms in the Clinical Setting. *Digestive Diseases and Sciences*. 2017 May 27:1-10.

Purpose:

Structured Assessment of Gastrointestinal Symptoms Scale

(SAGIS) is a validated measure of the intensity and impact of 22 upper and lower gastrointestinal symptoms. Responses are given on a 5 point Likert scale from no problem, mild (can be ignored when you do not think about it), moderate (cannot be ignored, but does not influence daily activities), severe (influencing your concentration on daily activities) and very severe (markedly influences your daily activities &/or requires rest) problem. In addition the SAGIS asks about the presence of selected non gastrointestinal symptoms including headache, chronic fatigue, back pain, sleep disturbances, depression and anxiety. The patient also answers the following questions, "In your own words, what is your most important health concern or problem?" and "In your own words, what is your second most important health concern or problem? "

Data Entry:

The question items from the SAGIS are entered into an excel spreadsheet with the following scoring

No problem = 0

Mild=1

Moderate = 2

Severe=3

Very severe =4

Q25 is scored Yes=1, No =0

Q23 and Q24 are text fields for entering the patient's responses directly from the SAGIS.

Scoring of the SAGIS:

The following scores are calculated

Total Symptom Burden Score – Q1 to Q22 are summed together to give a total symptom burden score. The total symptoms burden score can range from 0 to 88.

Global Impact Score – The number of items between Q1 and Q22 that are scored severe (3) or very severe (4) are added together. The global impact score can range from 0 to 22.

Symptom Domain Scores are as follows

Epigastric Pain score – Q3 (fullness), Q4 (early satiety), Q5 (post prandial pain), Q6 (epigastric pain), Q7 (retrosternal), Q16 (cramps) and Q20 (bloating) are summed together. The epigastric pain score can range from 0 to 28.

Diarrhoea and Discomfort score - Q8 (pain defecation), Q11 (loose stool), Q12 (incontinence), Q13 (urgency), Q14 (diarrhoea) and Q21 (gas) are summed together. The diarrhoea score can range from 0 to 20.

Reflux score – Q1 (acid regurgitation), Q2 (dysphagia) and Q22 (belching) are summed together. The total reflux score can range from 0 to 12.

Nausea/Vomiting score – Q15 (loss appetite), Q17 (sickness), Q18 (nausea), Q19 (vomiting) are summed together. The nausea/vomiting score can range between 0 and 16.

Constipation score – Q9 (difficult defecation) and Q10 (constipation) are summed together. The constipation score can range from 0 to 8.

Supporting documentation:

Koloski NA, Jones M, Hammer J, von Wulffen M, Shah A, Hoelz H, Kayla M, Burger D, Martin N, Gurusamy SR, Talley NO, Holtmann G. The Validity of a New Structured Assessment of Gastrointestinal Symptoms Scale (SAGIS) for Evaluating Symptoms in the Clinical Setting. *Digestive Diseases and Sciences*. 2017 May 27:1-10.