

**Supplementary table 1.** Patient recruitment at participating centers

<b>Center</b>	<b>Recruiting start date</b>	<b>Patients consented for the study</b>	<b>Patients who underwent g-poem</b>	<b>Patients with complete 12 months follow-up</b>	<b>Endoscopists' experience before recruiting patients</b>
Johns Hopkins Medicine, Baltimore, USA	Nov 2015	34	34	31	30 G-POEM, 400 E-POEM
Northwell Health System, New York, USA	Nov 2017	19	18	17	75 G-POEM, 150 E-POEM
Northwestern Medicine, Chicago, USA	Aug 2017	13	13	13	3 G-POEM, >50 ESD procedures
Michigan Medicine, Michigan, USA	June 2018	11	10	10	100 E-POEM
Hospital das Clínicas da Universidade de São Paulo, Sao Paulo, Brazil*	Apr 2016	5	5	4	8 G-POEM
Total	NA	82	80	75	N/A

\*Recruitment was stopped in this center in July 2017. Follow-up assessments and data management continued according to the study protocol.