



Supporting Information

Supplementary results

This appendix was part of the submitted manuscript and has been peer reviewed. It is posted as supplied by the authors.

Appendix to: Gupta S, Sidhu M, Banh X, et al. A prospective multicentre study of per-oral endoscopic myotomy (POEM) for achalasia in Australia. *Med J Aust* 2021; doi: 10.5694/mja2.50941.

Figure 1. Individual patient Eckardt score profiles of 142 patients who underwent per-oral endoscopic myotomy (POEM), by Chicago classification

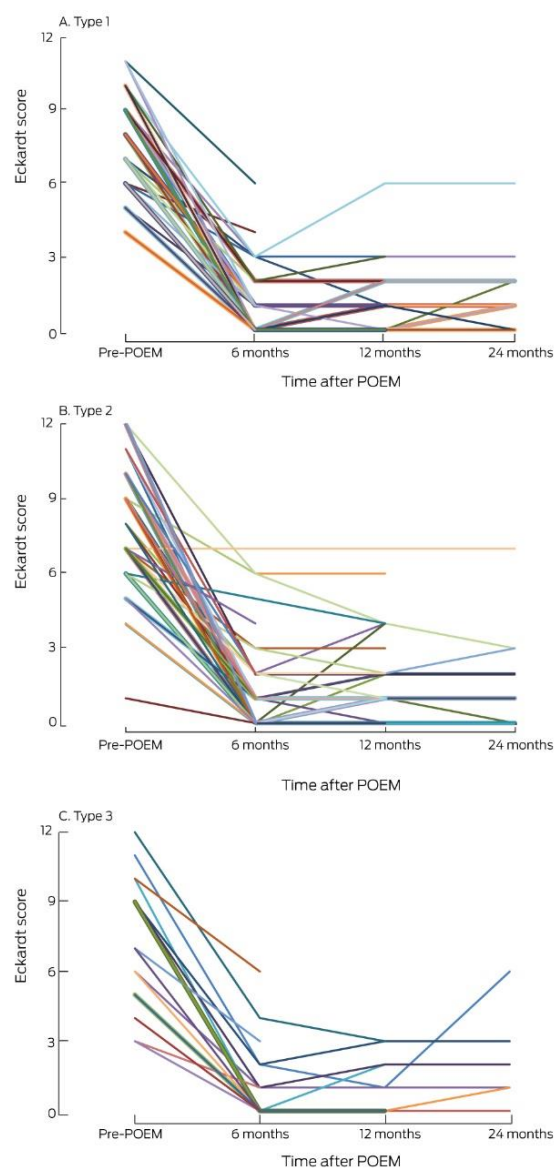
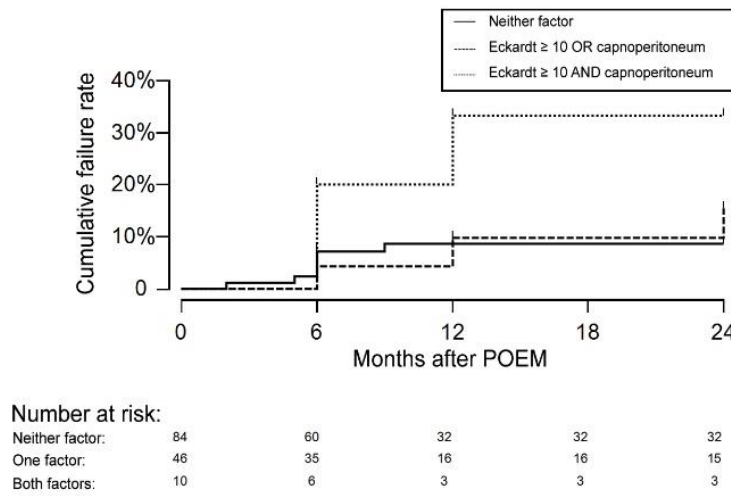


Figure 2. Kaplan–Meier survival analysis of cumulative per-oral endoscopic myotomy (POEM) treatment failure, by pre-POEM Eckardt score and intra-procedural capnoperitoneum*



* Information regarding the presence of capnoperitoneum was not available for two patients, one of whom was followed up only to six months.

Table 1. Risk factors for adverse events following per-oral endoscopic myotomy (POEM): odds ratios, unadjusted and adjusted for age

Variable	Odds ratio (95% CI)	Adjusted odds ratio* (95% CI)
Pre POEM Eckardt score (per point)	1.11 (0.88–1.39)	1.14 (0.89–1.46)
Pre POEM Eckardt score ≥ 10	1.67 (0.56–4.96)	2.17 (0.69–6.85)
Age (per year)	1.05 (1.01–1.09)	
Age > 60 years	4.40 (1.44–13.5)	
Sex (men)	0.51 (0.18–1.46)	0.46 (0.16–1.37)
Chicago classification		
Achalasia type 2 v type 1	1.16 (0.36–3.79)	1.85 (0.52–6.55)
Achalasia type 3 v type 1	1.42 (0.31–6.55)	1.50 (0.31–7.21)
Prior balloon dilatation	0.79 (0.28–2.25)	0.72 (0.24–2.14)
Prior botulinum toxin injection	4.62 (1.53–14.0)	3.90 (1.25–12.2)
Prior Heller myotomy	0.58 (0.07–4.75)	0.56 (0.07–4.77)
Lower oesophageal sphincter resting pressure (per mmHg)	0.99 (0.96–1.02)	1.00 (0.97–1.03)
Lower oesophageal sphincter relaxation pressure (per mmHg)	0.95 (0.90–1.01)	0.97 (0.91–1.02)
Myotomy length (per cm)	1.02 (0.83–1.25)	1.03 (0.84–1.26)
POEM duration (per minute)	1.01 (0.99–1.03)	1.01 (0.99–1.03)
Tunnel duration (per minute)	0.98 (0.94–1.02)	0.96 (0.92–1.02)
Capnoperitoneum	0.54 (0.12–2.55)	0.55 (0.12–2.66)

CI = confidence interval. * Adjusted for age (year).