

"POEM Consensus Meeting 2018" was held at Showa University Koto Toyosu Hospital in Tokyo during Tokyo Live 2018 on April 27, 2018

A panel of world experts were gathered and voted on several topics regarding POEM using Delphi scoring system.

In 2019, we published the summary of this consensus meeting to Esophagus.

Haruhiro Inoue et al. Statement for Gastroesophageal Reflux Disease After Peroral Endoscopic Myotomy From an International Multicenter Experience. Esophagus. 2020 Jan;17(1):3-10.

This is an open access article and can be found from the link below.

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6976544/pdf/10388_2019_Article_689.pdf

The most important consensus we reached was the usefulness of double scope technique in order to control gastric myotomy length to 2 cm.

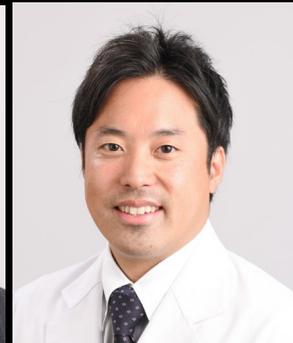
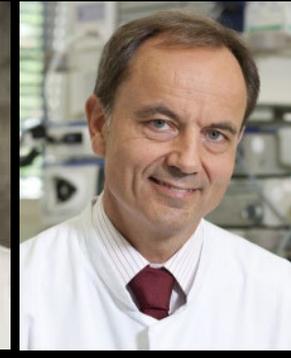
Statement for gastroesophageal reflux disease after peroral endoscopic myotomy from an international multicenter experience

Haruhiro Inoue¹ · Hironari Shiwaku²  · Yasutoshi Kobayashi³ · Philip W. Y. Chiu⁴ · Robert H. Hawes⁵ · Horst Neuhaus⁶ · Guido Costamagna⁷ · Stavros N. Stavropoulos⁸ · Norio Fukami⁹ · Stefan Seewald¹⁰ · Manabu Onimaru¹ · Hitomi Minami¹¹ · Shinwa Tanaka¹² · Yuto Shimamura¹ · Esperanza Grace Santi¹³ · Kevin Grimes¹⁴ · Hisao Tajiri¹⁵

Esophagus 2020;17:3-10.



Consensus meeting in Tokyo live 2018 (2018.4.27)



10th anniversary of POEM: TOKYO Live 2018 Satellite Symposium Program

Opening remarks : Haruhiro Inoue

【13:00-14:30 POEM Lecture】

Moderators: Hisao Tajiri, Robert H. Hawes

Speaker:

- POEM: History of the past ten years Haruhiro Inoue
- Current status of Asia Philip W. Y. Chiu
- Current status of Europe Guido Costamagna
- Current status of U.S.A. Stavros N. Stavropoulos
- Current status of Japan Hironari Shiwaku
- Future status of POEM (POEM-F) Haruhiro Inoue

Closing Remarks: Horst Neuhaus

【14:40-16:40 POEM Consensus meeting】

Moderators: Philip W. Y. Chiu, Robert H. Hawes

Discussers and Vo:

Haruhiro Inoue
Robert H. Hawes
Horst Neuhaus
Guido Costamagna
Stavros N. Stavropoulos
Philip W. Y. Chiu
Norio Fukami
Stefan Seewald
Hironari Shiwaku
Yasutoshi Kobayashi
Manabu Onimaru
Hitomi Minami
Shinwa Tanaka
Yuto Shimamura
Esperanza Grace Santi
Kevin Grimes
Hisao Tajiri

Closing Remarks: Hisao Tajiri



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Total 8 Clinical question (CQ) and future research questions (FRQs) about GERD after POEM

| CQ and FRQ | | Statement | Strength of recommendation | Evidence Level |
|------------|---|--|----------------------------|----------------|
| CQ1 | What is the incidence of GERD after POEM? | POEM may induce GERD, but incidence depends on measurement | N/A | B |
| CQ2 | Are there any reports of stenosis, bleeding, or Barrett's esophageal cancer due to GERD after POEM? | The incidence of late complications of GERD after POEM seems to be low; however, further long-term investigation is needed | N/A | C |
| CQ3 | Is post-POEM GERD higher than GERD after laparoscopic Heller-Dor? | Based on current data, GERD after POEM occurs more frequently than after Heller plus partial fundoplication | N/A | C |
| FRQ 4 | What is the role of proton pump inhibitor (PPI) after POEM? | Most patients with post-POEM GERD respond to PPI therapy; however, the indications for PPI are not well defined | N/A | D |
| FRQ 5 | What is the rate of cases where additional fundoplication was performed for refractory GERD after POEM? | The need for fundoplication to treat GERD after POEM is extremely low | N/A | D |
| FRQ 6 | Why is the rate of GERD high in POEM which preserves the periesophageal suspensory ligaments involved in natural antireflux mechanisms? | Excessive gastric myotomy and incision of the collar sling fibers may increase the frequency of GERD after POEM | N/A | D |
| FRQ 7 | Is the double-scope transillumination method helpful for controlling the length of myotomy? | Currently, the double-scope method is the most reliable way to confirm the length and direction of myotomy on the gastric side | 1 | D |
| FRQ 8 | How should the patient with medication refractory GERD after POEM be managed? | For refractory severe post-POEM GERD, some antireflux procedure may be considered | 2 | D |

FRQ 7: is the double-scope transillumination method helpful for controlling the length of myotomy?

Statement: currently, **the double-scope method is the most reliable way** to confirm the length and direction of myotomy on the gastric side.

Strength of recommendation: 1, **Evidence level:** D **Delphi scores:** Median = 8, Lowest = 6, Highest = 9

