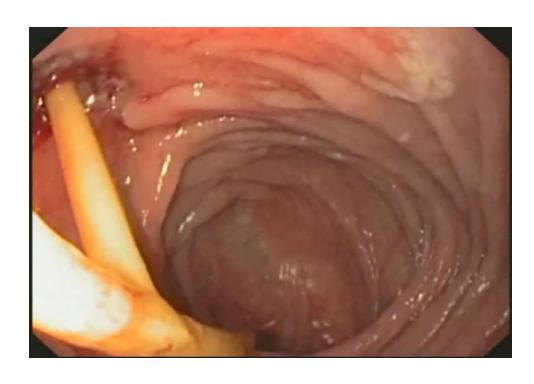
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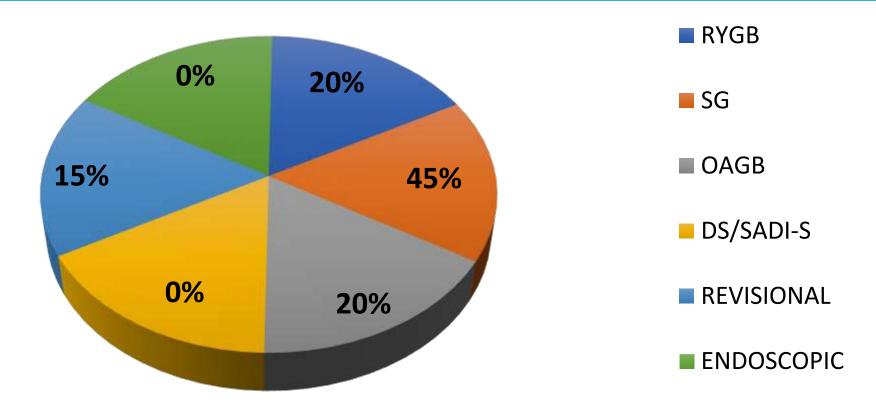
CONFLICT OF INTEREST DISCLOSURE

In accordance with «EACCME criteria for the Accreditation of Live Educational Events», please disclose whether you have or you have not any conflict of interest with the companies:

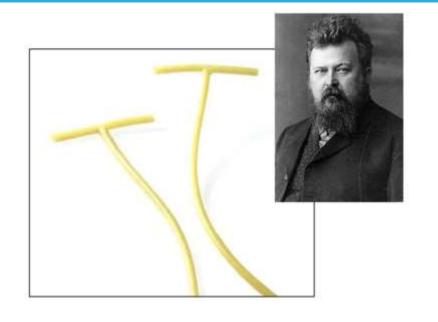
I have no potential conflict of interest to report



CASE MIX DISCLOSURE



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- A conservative non surgical endoscopic or radiological approach is safe and effective for small leaks after bariatric surgery
- Treatment of <u>persistent large leaks</u> is challenging and may require reoperation and extended hospitalization
- Is there any potential non invasive treatment ???

Treatment of Persistent Large Gastrocutaneous Fistulas After Bariatric Surgery: Preliminary Experience with Endoscopic Kehr's T-Tube Placement

Liagre, Queralto.., Petrucciani, Martini. Obes Surg 2022;37:1377-84



Niccolo' Petrucciani, Francesco Martini, Michel Queralto, Jan Marc Combis, Jane Buchwald, Arnaud Liagre

One step back...

Multidisciplinary Management of Leaks After One-Anastomosis Gastric Bypass in a Single-Center Series of 2780 Consecutive Patients

Arnaud Liagre 1 • Michel Queralto 2 • Gildas Juglard 1 • Yves Anduze 1 • Antonio Iannelli 3,4,5 • Francesco Martini 6 ©

Obes Surg 2019;29:1452-1461

- 46 patients with leak after OAGB → 13 re-laparoscopy
- Surgical or endoscopic insertion of a T-tube (9 to 14 Fr) into the orifice in 5 patients out of 13 undergoing re-laparoscopy and in 1 patient out of 9 undergoing endoscopy



Niccolo' Petrucciani, Francesco Martini, Michel Queralto, Jan Marc Combis, Jane Buchwald, Arnaud Liagre

Further results...

Treatment of Persistent Large Gastrocutaneous Fistulas After Bariatric Surgery: Preliminary Experience with Endoscopic Kehr's T-Tube Placement

Liagre, Queralto.., Petrucciani, Martini. Obes Surg 2022;37:1377-84

- 14 patients with large persistent leaks after SG (7), OAGB (4), RYGB (2), SADI-S (1). T-tube positioned at a mean of 51.5 days after surgery.
- <u>Success rate = 93%</u>; mean time of T-tube retention = 86 days



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Rationale of T-Tube

- Closure of the leak orifice by the tube
- Easy fastening due to its shape
- The tube instigates inflammation and scarring
- Easy to manage: the patient is allowed to drink water and can be discharged with the tube in place
- Patients' comfort: the tube is soft and can be hidden under a dressing
- It is cheap: 8 euros (stents = 800; pigtails = 80)



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Endoscopic T-tube placement: our indication

- Leak with daily drainage output > 50 ml and duration > 10 days
- Large orifice (2 cm) difficult to treat with pigtails (migration, erosion)



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Video Demonstration

- 46 years old woman, BMI of 48
- OAGB
- Reoperation at POD 2 for sepsis and peritonitis, washing and drainage, no leak identified
- Drain output: 150 ml/day
- Endoscopy at POD 20: gastric fistulous orifice of 2 cm





Niccolo' Petrucciani, Francesco Martini, Michel Queralto, Jan Marc Combis, Jane Buchwald, Arnaud Liagre

Conclusions

- •For large and persistent leaks, the T-tube placed by endoscopy may be an innovative and valuable option
- No additional morbidity
- Good tolerance
- •Low-cost
- No extended hospitalization



Thank you for your kind attention

