

Over-the-scope Clips (OTSC) versus Standard Endoscopic Treatment in Patients with Acute Non-variceal Upper Gastrointestinal Bleeding

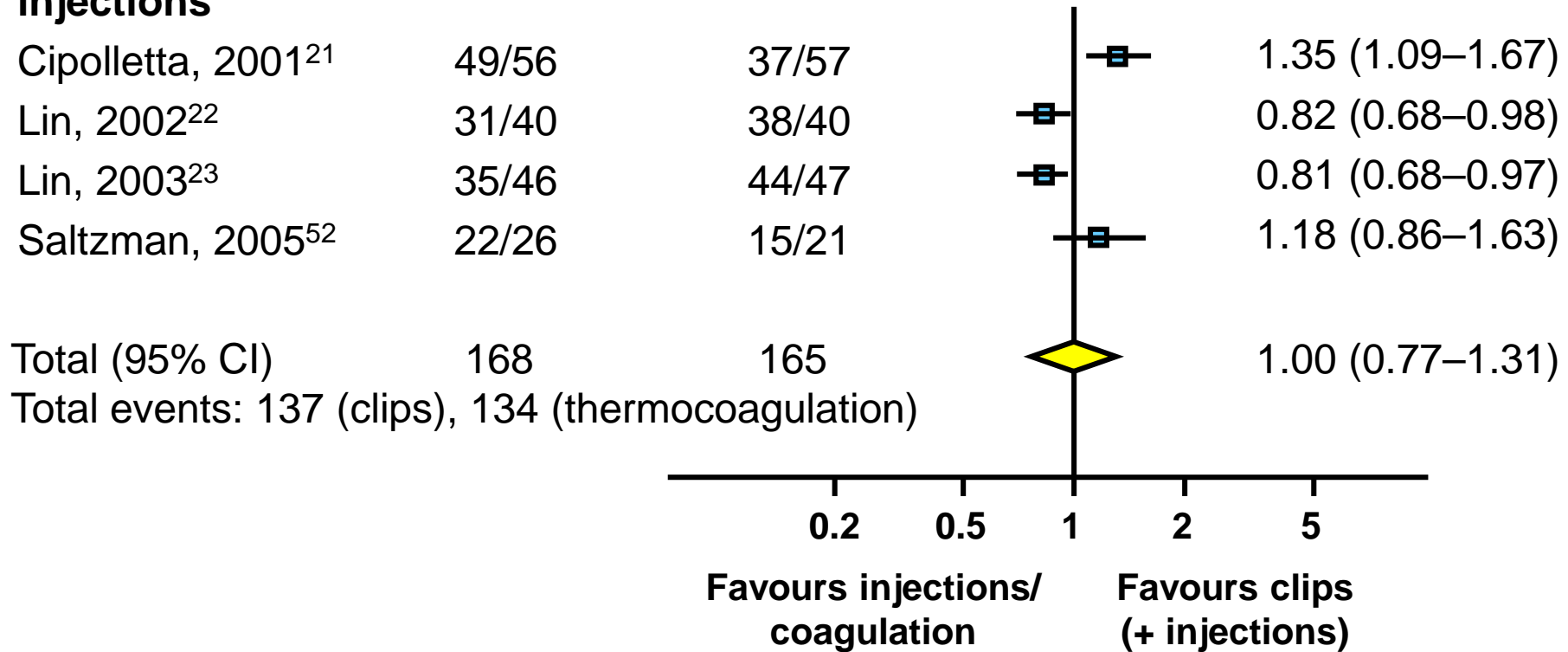
J Lau

Background

- In the management of patients with AUGIB from non-variceal causes, endoscopic hemostasis is the principal treatment.
- Further bleeding is associated with increased mortality
- Surgery for refractory bleeding carries a mortality rate of 30%.

Clips or thermo-coagulation

Clips vs. thermo-coagulation with or without injections



Over the scope clips



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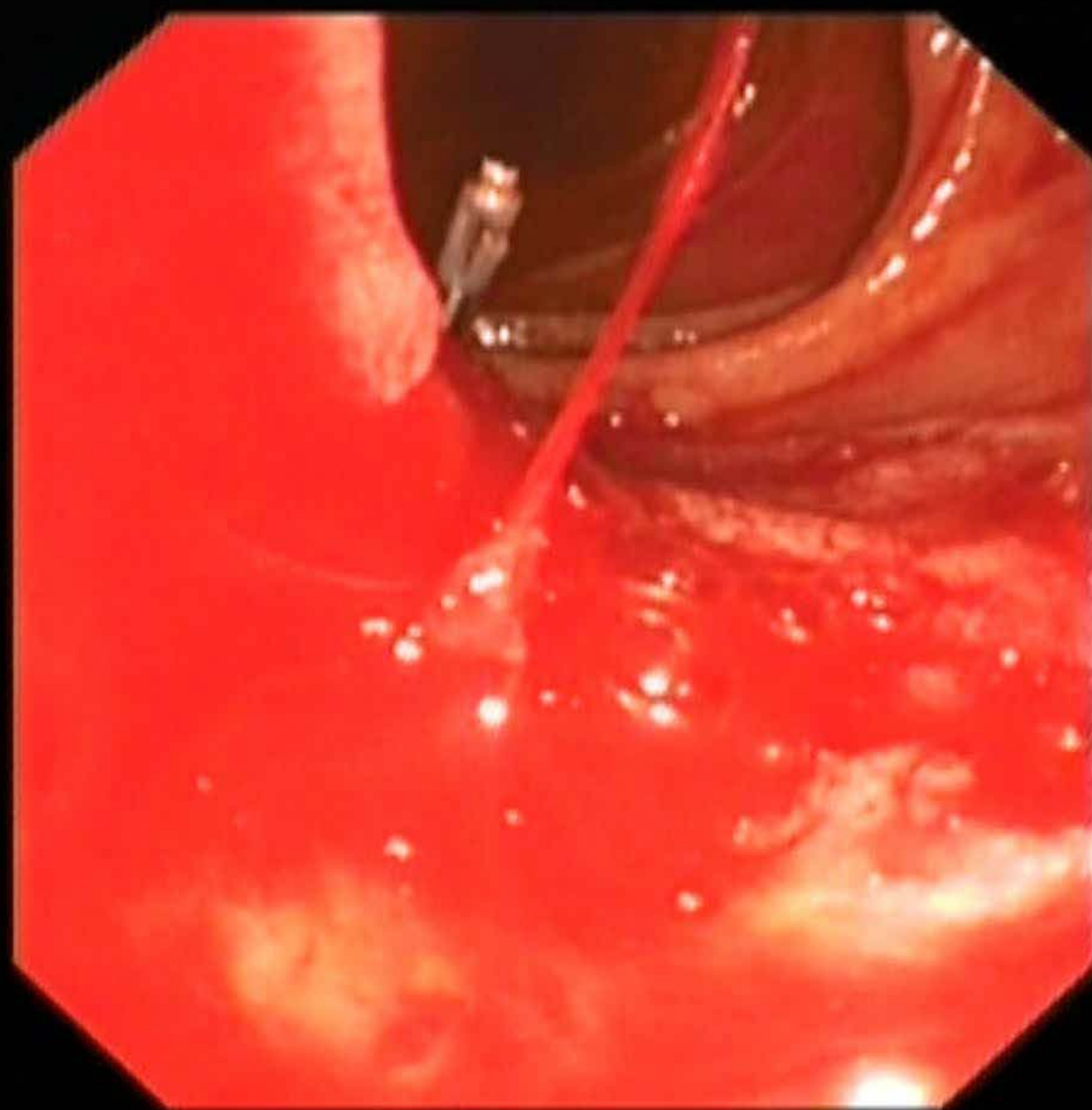
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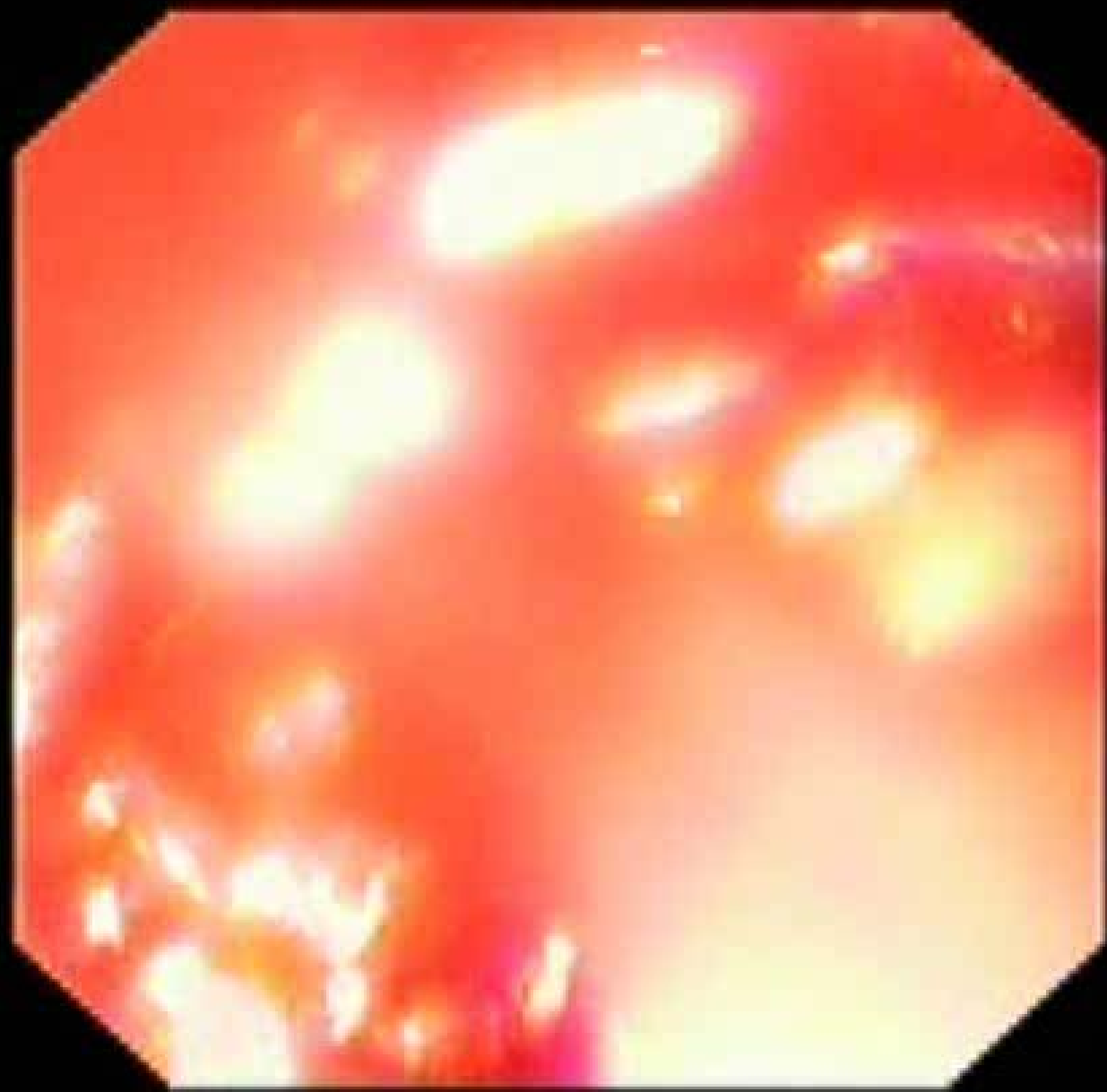
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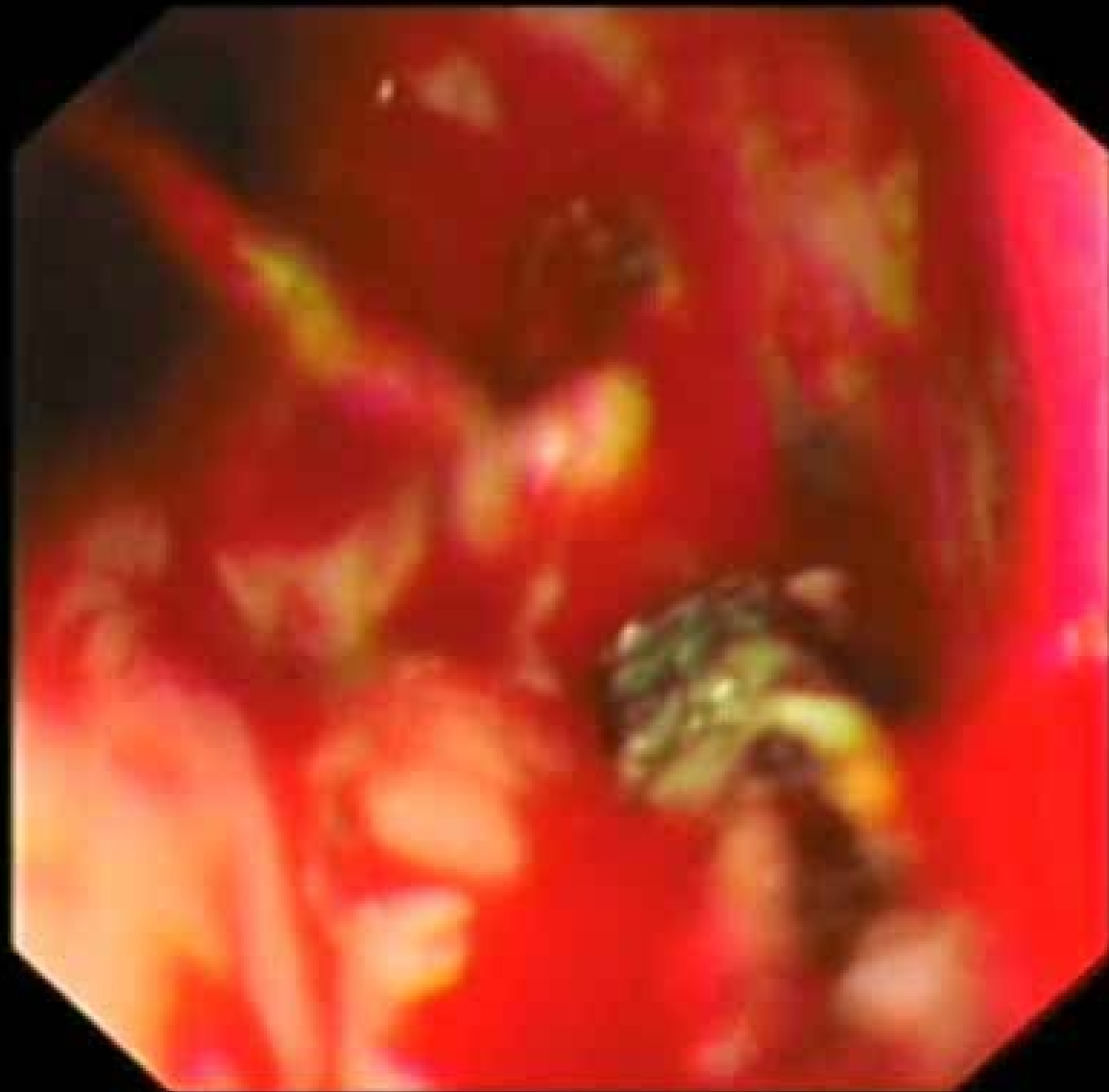
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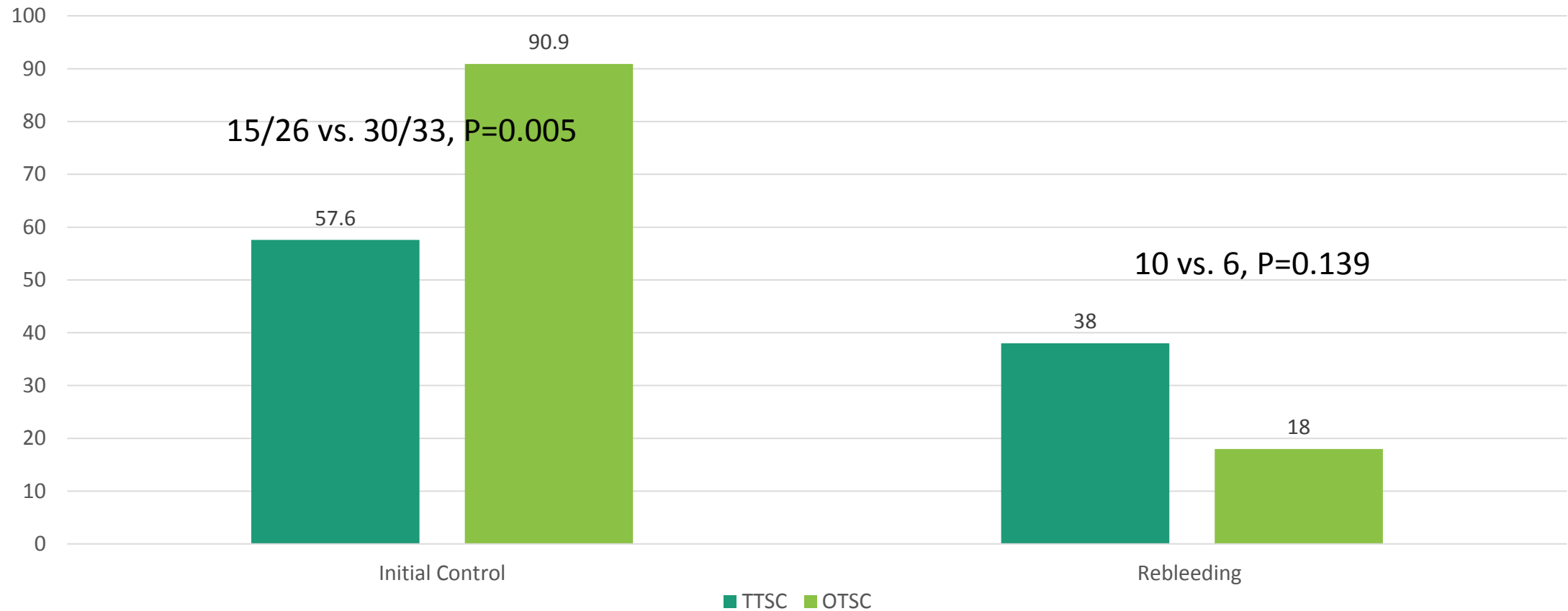
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OTSC

- Captures large amount of tissue.
- Compress arteries of significant size
- Clip retention rate is high

OTSC vs. standard endoscopic therapy in Recurrent PUB - STING



Hypothesis

- When used as the primary endoscopic treatment, OTSC is superior to standard treatment in achieving hemostasis and is associated with improved outcomes.

Interventions

- OTSC
- TTSC or thermo-coagulation

Outcomes

- Primary outcome; Re-bleeding free probability in 30 days after randomization
- Secondary outcomes; re-intervention, deaths, transfusion, cost to avert one recurrent bleeding
- Sample size calculation; 90 vs. 95% type 1 of 0.05(two sided), power of 80%, 85 per group required.