

10

Name of Journal: *World Journal of Clinical Cases***Manuscript NO:** 52350**Manuscript Type:** META-ANALYSIS**Underwater and conventional endoscopic mucosal resection in the treatment of colorectal polyps: A meta-analysis**

Dong-Qiong Ni, Yu-Ping Lu, Xi-Qiao Liu, Li-Ying Gao, Xuan Huang

Abstract**BACKGROUND**

Underwater endoscopic mucosal resection (UEMR) of colorectal lesions is emerging as an alternative method to conventional endoscopic mucosal resection (EMR). But whether there is a difference in the effectiveness between UEMR and EMR still remains controversial.

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Underwater EMR (UEMR) is an effective technique for **removal** of **sessile colorectal polyps** and we investigated whether it is superior to **conventional EMR (CEMR)**. **METHODS:** We conducted a **multicenter randomized controlled trial** at 5 institutions in Japan.

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Background and study aims **Endoscopic mucosal resection (EMR)** is a standard method for **removing sessile colorectal polyps** ≥ 10 mm. Recently, **underwater EMR (UEMR)** has been introduced as a potential alternative. However, the effectiveness and safety of **UEMR** compared with **conventional EMR** is un clear.

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Endoscopic mucosal resection (EMR) with **submucosal injection** is performed to remove **colorectal polyps**, although the **en bloc resection rate** decreases when **polyp size** exceeds 10 mm. **Underwater EMR** is an effective technique for removal of **sessile colorectal polyps**.

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Apr 11, 2019 · **Endoscopic mucosal resection (EMR)** with **submucosal injection** is an established method for **removing colorectal polyps**. although the **en bloc resection rate** decreases when



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Oct 31, 2019 - Abstract Background and study aims **Endoscopic mucosal resection (EMR)** is a standard method for **removing sessile colorectal polyps ≥10mm**. Recently, **underwater EMR (UEMR)** has been introduced as a potential alternative. However, the effectiveness and safety of **UEMR** compared with **conventional EMR** is un clear.

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PEOPLE ALSO ASK

How is endoscopic mucosal resection performed? ▾

What are the symptoms of mucosal resection? ▾

When to call a doctor about mucosal resection? ▾

Endoscopic Mucosal Resection

A procedure to remove cancerous or other abnormal lesions just beneath the mucosal wall.

Type of procedure: Minimally invasive

Recovery time: Can take several days

Duration: Few Hours

Hospital stay: Typically a few hours

May treat

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Barrett's Esophagus

Very common

Barrett's esophagus is a condition in which there is an abnormal change in ...

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Colon Cancer

Common

Colorectal cancer, also known as bowel cancer, colon cancer, or rectal ...

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What to expect before procedure

- Provide a list of all current medications. The doctor might ask to stop some of them at least two weeks before surgery. Mention about allergies if any.
- The doctor asks to stop eating several hours before surgery.
- Depending on the site of resection, a laxative or enema may be given on the day of surgery to clear the bowel.

What to expect during procedure

- A sedative is given intravenously. Local anesthesia may be given.
- A endoscope is inserted through the mouth or anus, depending on the area affected while observing the image on the screen.
- Suction is applied to lift the tumor.