

## HyaRegen® Gel

Novel Absorbable Adhesion Barrier

Prevent Adhesion throughout the abdominopelvic cavity;

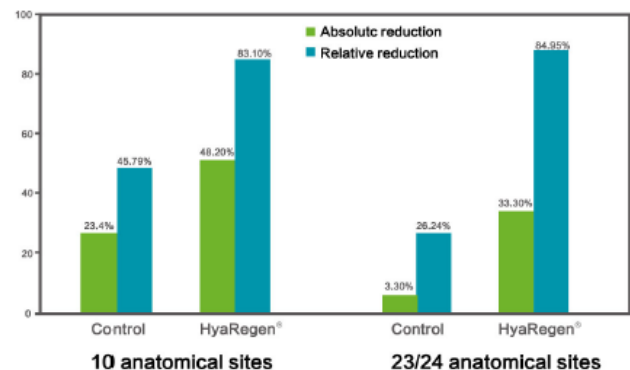
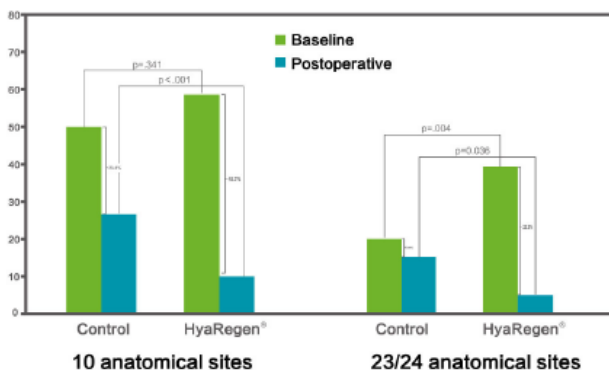
Safety and Efficacy proven by 2<sup>nd</sup> look Laparoscopy.



Jelly-like Gel  
High viscosity  
7-14 days to absorb



- **Design:** A prospective, multicenter, randomized, negative controlled trial;
- **Patients:** A total of **216** women scheduled for gynecologic laparoscopic surgery for primary removal of adhesions, myomas, ovarian cysts, or endometriotic cysts.
- **Evaluation method:**
  - The 2LL(2<sup>nd</sup> look laparoscopy) was conducted at the **9-week follow-up** visit.
  - A modified American Fertility Society (mAFS) scoring system was used for the incidence, extent, and severity of pre-existing and postoperative adhesions at the **10 anatomic sites of ovaries/tubes** and at the expanded **23 or 24 anatomic sites throughout the abdominopelvic cavity** by laparoscopy.
- **Conclusion:** HyaRegen® Gel proved to be safe and significantly reduced the severity of adhesion and its incidence in the entire abdominopelvic cavity.



NCH gel provides a new, easy-to-use, and effective intraperitoneal barrier for adhesion reduction throughout the abdominopelvic cavity after surgery.



# MateRegen® Gel

## Novel Absorbable Adhesion Barrier

Self-crosslinked hyaluronic acid gel;

Prevent adhesion, improve endometrial quality and increase pregnancy rate with proven clinical data.



Hyaluronic Acid plays important role in each period of wound healing.<sup>1</sup>

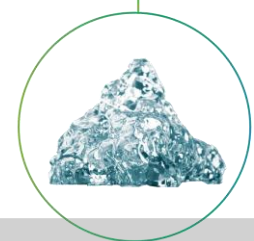
- Inflammatory phase
- Granulation phase
- Reepithelization
- Remodeling



HA gel helps prevent IUA and decreases the severity of IUA after intrauterine surgery. A greater volume ( $\geq 5$  mL) of HA gel is recommended to prevent IUA, according to this analysis. Moreover, HA gel can increase the pregnancy rate after intrauterine surgery.<sup>2</sup>



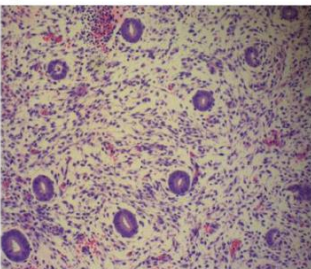
**Jelly-like Gel**  
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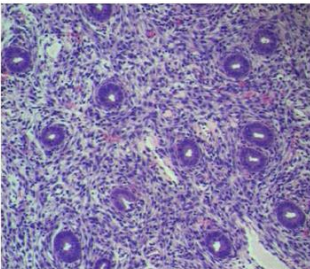
## CLINICAL EVIDENCE

- ① Better endometrial thickness values were observed in those who received NCH (New Crosslinked Hyaluronan) gel either alone or in combination with IUD.<sup>3</sup>
- ② Crosslinked HA gel could reduce both the tendency of IUA and American Fertility Society (AFS) scores and improve the subsequent pregnancy rate during hysteroscopic electrosurgical resection when treating polyps, fibroids, and uterine septum.<sup>4</sup>
- ③ Application of cHA (crosslinked HA) gel in patients with moderate to severe IUA during hysteroscopy can improve the quality of endometrium and uterine receptivity and consequently enhance the clinical pregnancy rate after IVF/CSI and FET.<sup>5</sup>

a



b



More tubular glands were observed after operation in biopsy samples, which showed a better quality of endometrium with usage of the new crosslinked hyaluronic acid gel.

**NCH gel provides a new, easy-to-use, and effective anti-adhesion barrier and wound healer, helps improve the endometrial quality and increase the clinical pregnancy rate.**

1. Chen et al. Wound REP REG 1999;7:79-89
2. Dou et al. JMIG 2022; 29(8): 934-942
3. Emre G. et al. JSLS. 2019; 23(1)
4. Chen et al. Ann Transl Med 2022;10(22):1217
5. Mao et al. Archives of Gynecology and Obstetrics 2019 Jan;26(1):94-99