

The use of barbed suture in **Gynecological procedures**

The major advantage of barbed sutures is its ease of **use with less time consumed**¹. Barbed sutures used in gynecological procedures **reduce suturing time, mean operative time** and intraoperative bleeding², and provide excellent hemostasis³.

ADVANTAGES OF BARBED SUTURES USE IN COMPARISON TO CONVENTIONAL SUTURES

C-SECTION



- ✓ Reduce uterine incision closure time (P=0.001)⁴, and operative time⁵
- ✓ Allow a lower rate of use of haemostatic sutures, OR 0.14, (P=0.001)⁴
- ✓ Decrease blood loss during incision closure (P< 0.005)⁶
- ✔ Permit lower incidence of postoperative ileus OR, 0.31, (P=0.029)⁴

HYSTERECTOMY



- ✓ Decrease the incidence of vaginal cuff dehiscence (P=0.008)^{7,8}
- ✓ Reduce the mean suturing vaginal cuff closure time (P<0.001)⁹

MYOMECTOMY



- ✓ Reduce suture time (P=0.01)¹
- ✓ Reduce total operative time (P=0.015)¹
- ✓ Reduced intraoperative blood loss (P<0.05)^{1,10-12}
- ✓ Reduce significantly perioperative complications (P=0.048)¹³

SACROCOLPOPEXY



- ✓ Demonstrate a significant reduction in time, completing the attachment of mesh to the vagina with a mean time 11-16 minutes faster (P<0.001)¹⁴
- ✓ Demonstrate both safety and effectiveness in robotic sacrocolpopexy, yielding satisfactory long-term results^{14,15}

BREAST RECONSTRUCTION



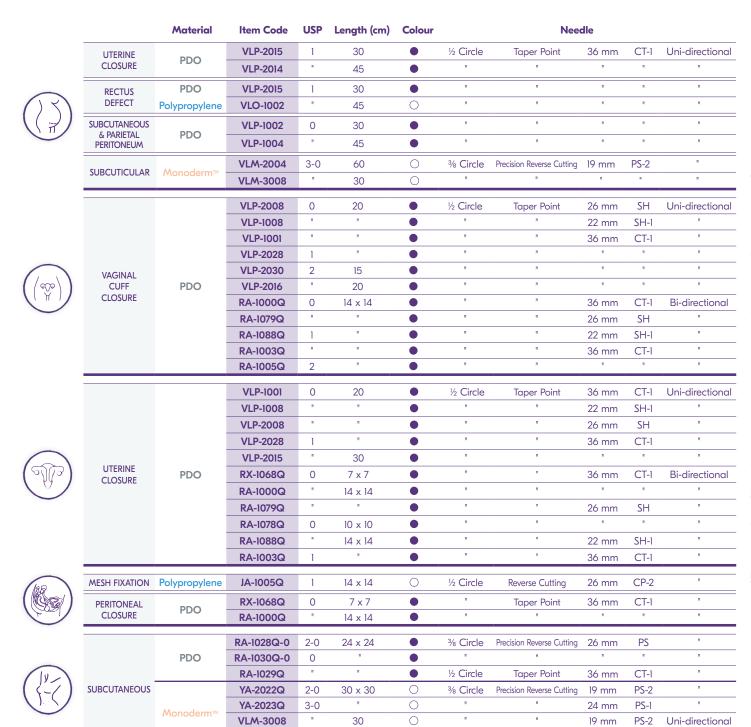
- Facilitate uniform tension distribution, thereby promoting a consistent and robust fixation of the inframammary fold (IMF) during the healing process¹⁶
- ✓ Can be used in a scarless approach for creating or correcting an IMF¹⁷
- Decrease incidence of seromas and drainage time in patients with running quilting sutures in autologous latissimus dorsi¹⁸ and deep inferior epigastric artery perforator¹⁹ flaps for breast reconstruction

CONCLUSION

Barbed sutures are now widely acknowledged for their safety, **efficacy**, **and efficiency in various obstetric and gynecological procedures**, providing acceptable levels of patient comfort and surgeon satisfaction.







To order a Quill® sample, arrange a trial, place an order or if you have a Quill® related question, contact us: quillemea@corza.com

More resources, case studies, videos and information can be found on Corza website, Corza's YouTube and Vimeo playlist and on Corza's MedTube channel.

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Quill® barbed sutures are indicated for soft tissue approximation. Absorbable barbed sutures shall be used where the use of absorbable suture is appropriate and non-absorbable barbed sutures are excluded from closure of the epidermis. Barbed sutures are not intended to be used by tying surgical knots. Avoid crushing or crimping the suture material with surgical instruments, such as needle holders and forceps. To lock the Quill® device in place, it is recommended to employ a few backstitches and cut the remaining suture flush with the tissue to complete. If approximating the subcuticular layer, exit laterally and cut flush with the skin. To avoid small bowel obstruction, care should be taken to not leave barbed suture ends adjacent to the peritoneum in extra peritoneal tissue closure. As with all surgical sutures, adverse effects may include wound dehiscence, failure to provide adequate wound support, infection, minimal acute inflammatory tissue reaction at the wound site amongst others. The safety and effectiveness of Quill® device has not been established for use in several closures, including fascia, gastrointestinal anastomoses and CV tissue amongst others, therefore this product should not be used for these purposes. For complete indications, contraindications, varnings, precautions, and adverse reactions, refer to the instructions for use (IFU).



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