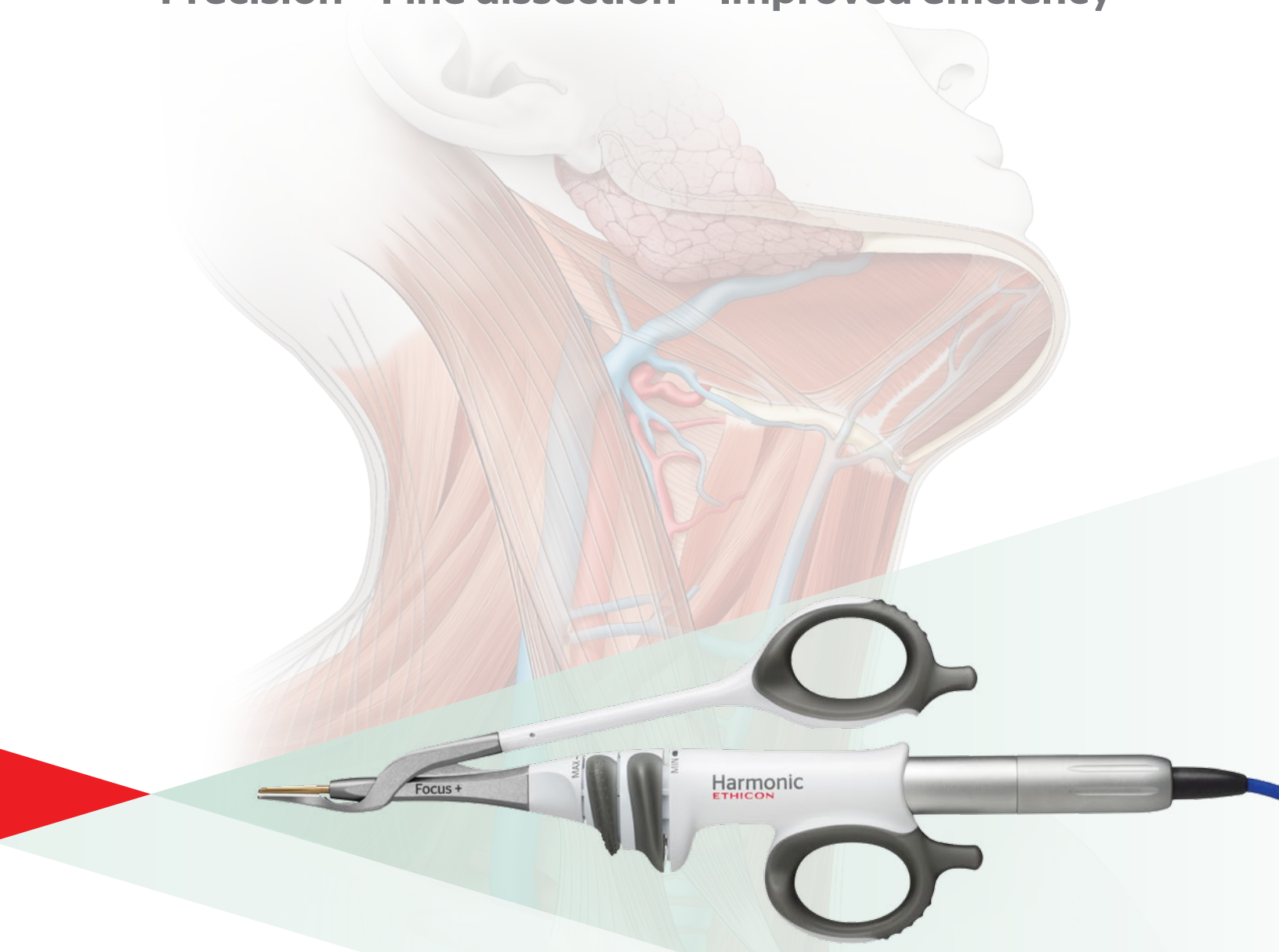
Harmonic®

Today's new standard for head and neck surgery

Precision + Fine dissection[1] + Improved efficiency[2,3]



HARMONIC FOCUS®+ Shears

ETHICON
PART OF THE Johnson&Johnson FAMILY OF COMPANIES

Shaping the future of surgery

Proven leader in thyroidectomy—now get the same **precision and speed in your head and neck procedures***

The **HARMONIC FOCUS®+ Shears with Adaptive Tissue Technology** is the device surgeons need for fine dissection and sealing of vessels up to 5mm in all head and neck procedures. HARMONIC FOCUS®+ Shears enables safe and efficient surgery with less blood loss, delivering shorter procedures and better outcomes in the operating room.

Speed:
Reduced total operative time by 31%[4]

31%
(p<0.001)

Outcomes:
Reduced intraoperative blood loss by 45ml[5]

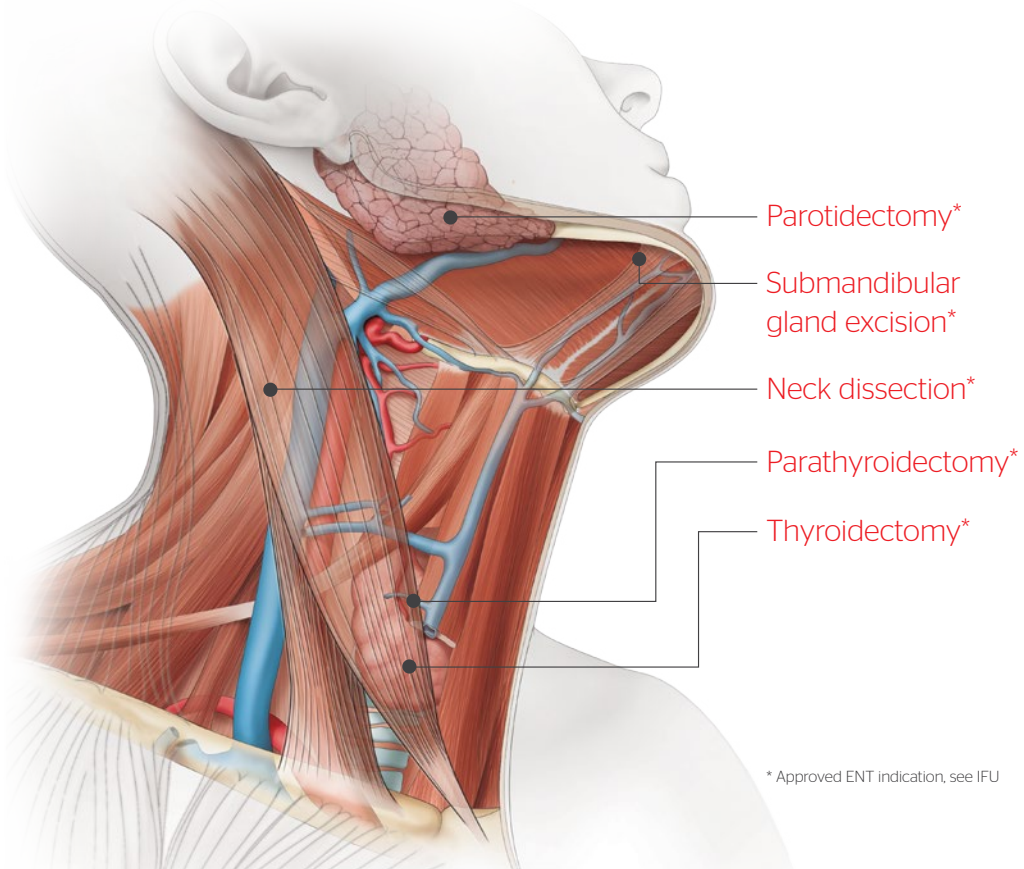
45
ml
(p<0.001)

Safety:
Same nerve function following use at 2mm from the sciatic nerve[6]

EQUIVALENT

Cost-savings:
Reduced total operative costs by 10%[7]

10%
(p=0.007)



* Approved ENT indication, see IFU

HARMONIC FOCUS®+ Shears—designed for **efficiency, fine dissection and precision**

Curved, tapered tip
Enables you to precisely grasp, dissect, seal and cut[8]

Ergonomic design
Feels, responds and dissects like a traditional fine dissection instrument[10]

Reliable sealing
Shown to reliably seal 5mm vessels, as well as lymphatics[9]

Adaptive Tissue Technology
Powered by the Ethicon GEN11 generator, Adaptive Tissue Technology delivers energy intelligently and efficiently in HARMONIC® devices to enhance surgical outcomes[11]

ORDERING INFORMATION

HARMONIC FOCUS®+ Shears with Adaptive Tissue Technology

Product code	Description	Quantity per sales unit
HAR9F	HARMONIC FOCUS®+ Shears with Adaptive Tissue Technology	6

To learn more about Ethicon solutions for head and neck, contact your sales representative or visit ethicon.com/focus.

Providing a comprehensive solution for head and neck procedures

HARMONIC FOCUS®+ Shears delivers fine dissection and sealing of vessels up to 5mm in all head and neck procedures

Addressing surgical bleeding with adjunctive hemostats

SURGICEL Family of Absorbable Hemostats—50-plus years of the proven safety and efficacy surgeons trust.[12,13]

SURGICEL® FIBRILLAR™ lightweight layered structure is customizable and "melts" into bleeding tissue; a versatile option for use at multiple sites[14]

Secure closure to address a known risk factor associated with infection

STRATAFIX™ Symmetric PDS™ Plus Knotless Tissue Control Devices—deliver more consistency, more security and more efficiency than traditional sutures[15,16,17,18,19,20,21]

DERMABOND® PRINEO® Skin Closure System—uncompromised strength and protection for excellent wound closure[22]

1 (C260) **2** Based on a meta-analysis of HARMONIC FOCUS® (HF) versus clamp, cut and tie, where HF reduced operative time (p<0.001), intra-operative blood loss (p<0.001), length of stay (p<0.005), drainage volume (p<0.01). Cheng et al., A systematic review and meta-analysis of Harmonic Focus in thyroidectomy compared to conventional techniques. Thyroid Research (2015) 8:15 (C1962) **3** The health technology method was applied in a case study of 440 patients undergoing thyroidectomy in Terni, Italy. The use of HARMONIC FOCUS® resulted in reducing overall procedure time from 143.33 minutes to 113.7 minutes (20.67%) and reducing overall hospital cost from €3,055 to €2,768 (9.39%). Lucchini R., et. al., Health technology assessment and thyroid surgery. Il Giornale di Chirurgia (July/August 2013) 34:198-201. (C1529) **4** Based on a meta-analysis of HARMONIC FOCUS® (HF) versus clamp, cut and tie, where HF reduced operative time (p<0.001). Cheng et al., A systematic review and meta-analysis of Harmonic Focus in thyroidectomy compared to conventional techniques. Thyroid Research (2015) 8:15. **5** Based on a meta-analysis of HARMONIC FOCUS® (HF) versus clamp, cut and tie, where HF reduced intra-operative blood loss (p<0.001). Cheng et al., A systematic review and meta-analysis of Harmonic Focus in thyroidectomy compared to conventional techniques. Thyroid Research (2015) 8:15. **6** In a preclinical model, there was no difference in nerve function following the use of HARMONIC FOCUS® shears at 2mm from the sciatic nerve versus cold scissors. **7** Cheng H et al., Hospital costs associated with thyroidectomy performed with a Harmonic device compared to conventional techniques: a systematic review and meta-analysis. J Med Econ. 2016 Apr 5:1-9. [Epub ahead of print] **8** (C260) **9** Based on preclinical testing of lymphatic vessels up to and including 1mm in diameter. **10** (C301) **11** (C1568) **12** A Compendium of Scientific Literature. Evidence Supporting the Efficacy and Safety of the Surgicel Family of Absorbable Hemostats **13** Hong Y, Loughlin K. The use of hemostatic agents and sealants in urology. J Urol. 2006;176:2367-2374. **14** Harrington, Claudia G. Hemostatic effectiveness of SURGICEL®, SURGICEL NU-KNIT®, and SURGICEL® FIBRILLAR™ in Swine Spleen Model. Ethicon, Inc. Data on file. 2005 Aug 1. **15** Eickmann T, Quane E. Total knee arthroplasty closure with barbed sutures. J Knee Surg. 2010;23(3):163-167. **16** Einarsson JI, Chavan NR, Suzuki Y, Jonsdottir G, Vellinga TT, Greenberg JA. Use of bidirectional barbed suture in laparoscopic myomectomy: evaluation of perioperative outcomes, safety, and efficacy. J Minim Invasive Gynecol. 2011;18(1):92-95. **17** Levine BR, Ting N, Della Valle CJ. Use of a barbed suture in the closure of hip and knee arthroplasty wounds. Orthopedics. 2011;34(9):e473-e475. doi: 10.3928/01477447-20110714-35. **18** Moran ME, Marsh C, Perrotti M. Bidirectional-barbed sutured knotless running anastomosis v classic Van Velthoven suturing in a model system. J Endourol. 2007;21(10):1175-1178. **19** Rodeheaver GT, Pineros-Fernandez A, Salopek LS, et al., Barbed sutures for wound closure: in vivo wound security, tissue compatibility and cosmesis measurements. In: Transactions from the 30th Annual Meeting of the Society for Biomaterials; Mount Laurel, NJ; p. 232. **20** Vakil JJ, O'Reilly MP, Sutter EG, Mears SC, Belkoff SM, Khanuja HS. Knee arthrotomy repair with a continuous barbed suture: a biomechanical study. J Arthroplasty. 2011;26(5):710-713. **21** Warner JP, Gutowski KA. Abdominoplasty with progressive tension closure using a barbed suture technique. Aesthet Surg J. 2009;29(3):221-225. **22** Data on file, Ethicon, Inc.: DERMABOND PRINEO Skin Closure System Matrix. PRI-044-13. 2013.

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