Compared to conventional methods, the HARMONIC FOCUS® family of curved shears has been shown to provide a superior clinical advantage to conventional methods in thyroidectomy procedures by significantly reducing:

- **Operative time**: 29 minutes (p<0.001)
- **Intraoperative blood loss**: 45 ml (p<0.001)
- **Length of stay**: 0.7 days (p<0.005)
- **Drainage volume**: 29 ml (p<0.001)

A Systematic Review and Meta-analysis of HARMONIC FOCUS in Thyroidectomy Compared to Conventional Techniques
Hang Cheng, Ireena Soleas, Nicole C. Ferko, Jeffrey W. Clymer and Joseph F. Amaral Thyroid Research (2015) 8:15

- The first ever, peer-reviewed meta-analysis of clinical research on a single ultrasonic device, the HARMONIC FOCUS, that supports the effective use of HARMONIC FOCUS in thyroidectomy versus conventional clamp, cut and tie.
- Includes 14 studies consisting of 2,516 patients reporting on HARMONIC FOCUS use in total thyroidectomy.
- HARMONIC FOCUS has been shown to be more effective in thyroidectomy procedures compared to conventional methods.

The clinical advantages of the HARMONIC FOCUS family of curved shears are superior to conventional methods in thyroidectomy procedures.

1 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<0.001). Cheng et al, A systematic review and meta-analysis of Harmonic Focus in thyroidectomy compared to conventional techniques. Thyroid Research (2015) 8:15 (C1962)

2 Based on a meta-analysis of HARMONIC FOCUS® (HF) versus clamp, cut and tie, where HF reduced OR time, intra-operative blood loss, length of stay and drainage volume (all 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. (C1960)

Read the full article.
The HARMONIC FOCUS® family dynamically optimizes energy delivery in response to changing tissue conditions.

- **Precise tapered tip design:** Enables you to precisely grasp, dissect, seal and cut
- **Minimal thermal damage:** Precise energy delivery for dissection near vital structures
- **Ergonomic design:** Feels, responds and dissects like a traditional fine dissection instrument
- **Full range of head and neck procedures:** Glossectomy, parotidectomy, thyroidectomy, radical neck

HARMONIC FOCUS+ gives you a single device with reliable sealing and fine dissection with less lateral thermal spread that allows you to do more, thus enabling reduction in procedure time and cost.

To learn more, contact your sales representative or visit ethicon.com/harmonic.

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**Product Code** | **Description** | **Quantity/Sales Unit**
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HAR9F | HARMONIC FOCUS® Shears + Adaptive Tissue Technology | 6
HAR17F | HARMONIC FOCUS® Long Shears + Adaptive Tissue Technology | 6

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3 (C260) 4 (C734) 5 (C301) 6 As exhibited in an animate, porcine vessel model - 63/64 (HAR9F) vs. 31/32 (FCS9) seals passing blood pressure challenge, p=1 (C1624) 7 As exhibited in a preclinical model (n=16), mean lateral thermal spread of 168mm (C1668) 8 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<0.001). Cheng et al. A systematic review and meta-analysis of Harmonic Focus in thyroidectomy compared to conventional techniques. Thyroid Research (2015) 8:15 (C1962) 9 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)