Nexel®
Total Elbow

Built on a tradition of excellence.
The Nexel® Total Elbow is built on the foundation of the original, market-leading Coonrad/Morrey Total Elbow, with more than 30 years of clinical history. In combination with our proprietary Vivacit-E® polyethylene bearings and advances in instrumentation the Nexel Total Elbow makes for a great choice in elbow replacement.

**Significant improvement in wear and durability.**¹⁻⁴

- Vivacit-E® bearings have highly cross linked polyethylene that is uniformly blended with Vitamin E and designed to prevent delamination, maximize oxidative stability, minimize wear and improve mechanical properties.*
- Semi-conforming, thicker bearing design reduces edge loading and stress, maximizes contact area to distribute joint reaction forces.**
- Robust Co-Cr linkage system enhances linkage durability without applying compressive loads to screws.

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*N Compared to conventional polyethylene
** Compared to Coonrad/Morrey Total Elbow (C/M)

**Clinically-proven stem design heritage.**¹⁰

- Intramedullary stem geometry and anterior humeral flange is maintained from the C/M Total Elbow.
- Humeral component finished with Ti-plasma spray to promote fixation and improve stem strength.
- Low Profile A/P design to minimize soft tissue interference.
Modernized, easy-to-use instrumentation designed to improve efficiency and repeatability.

- Humeral preparation system is designed to reduce stress risers through contained, circular resection and to improve precision with enhanced cut-guide stability.
- Rasp tooth geometry with a diamond-cut pattern designed for a more efficient canal preparation.
- Specially designed flexible ulnar reamers included to allow for easier ulnar canal preparation.

Vivacit-E HXPE provides exceptional oxidative stability and wear performance in laboratory testing.*

The Nexel Total Elbow utilizes Vivacit-E Highly Cross-Linked Polyethylene bearings, a first in total elbow. Vivacit-E HXPE is significantly superior to conventional polyethylene in wear performance, without a compromise in mechanical strength seen in traditional cross-linked polyethylenes. Additionally, due to grafting of Vitamin E to the polyethylene matrix, Vivacit-E HXPE has exceptional long-term oxidative stability to limit delamination due to residual free radicals. In the end, this enables predictable bearing integrity through the life of the implant.6-9

*Laboratory testing is not necessarily indicative of clinical results.
References

1) Zimmer ZRR_WA_2552_12Rev2*
2) Zimmer ZRR_WA_2407_11Rev2 *
3) Zimmer ZRR_WA_2542_12Rev2*
4) Zimmer ZRR_WA_2598_12*
5) Zimmer ZRR_WA_2409_11*
11) Zimmer ZRR_WI_1222_12*
12) Zimmer ZRR_WI_2441_11 Rev 1*

*Internal Laboratory test results

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