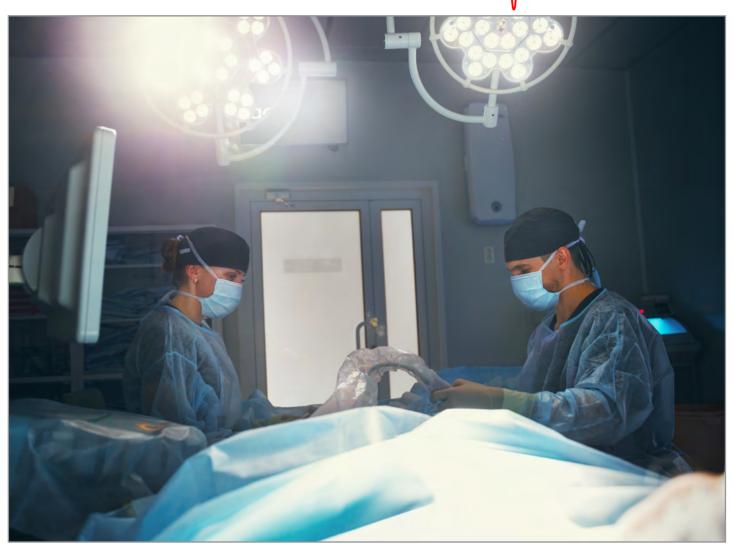
## - MedicalLiveWire



either sterile saline or hypochlorous acid, is used for energy transfer from the vibrating tip to the contacted tissues. In order to reduce the resulting mist at the activated tip, a vacuum sheath was developed to capture the spray. We have also been evaluating the effect of this energy delivery system on bacteria, biofilm, metallic implant material and tissues. Our laboratory findings are being correlated with clinical outcomes. We have demonstrated that the device cuts down on spray dispersion and performs better than the Versajet on surfaces with variable density tissue.7 The device can clear biofilm from metallic implant material and when used with hypochlorous acid irrigation, all of the bacteria which are released from the biofilm are killed.<sup>8</sup> There is much more to come as further laboratory testing is performed and as clinical results are reported. Wound treatment is advancing on many other fronts as well. This is an exciting time for the field of wound care.

- 1. Patel NP, **Granick MS**, Kanakaris NK, Giannoudis PV, Werdin F, Ren
- 2. nekampff H-O; Comparison of wound education in the United States, United Kingdom, and Germany; ePlasty, 8E:e87, 2008.
- Granick MS, Chehade M; History and Classification of Surgical Wound Debridement; In: Surgical Wound Management, Granick MS, Gamelli R (Eds.); 17-28, Informa Healthcare, New York, New York; 2007.
- Granick MS, Boykin J, Gamelli R, Schultz G, Tenenhaus M; Toward a Common Language: Surgical Wound Bed Preparation and Debridement; Wound Repair and Regeneration, 14: S1-S10, 2006.
- Granick MS, Jacoby M, Noruthun, S, Datiashvili RO, Ganchi PA (2006). Clinical and Economic Impact of Hydrosurgical Debridement on Chronic Wounds. Wounds, 18: (2):35-39.
- Granick MS, Jacoby M, Noruthun S, Datiashvili RO, Ganchi PA; Efficacy and Cost-Effectiveness of the High Pressure Parallel Waterjet for Wound Debridement; Wound Repair and Regeneration, 14:394-397, 2006.
- Granick M, Tenenhaus M. A Clinical Trial to evaluate the Efficacy of the Misonix Sonic One OR SonicVac for Surgical Debridement of Chronic Wounds. World Union of Wound Healing Societies. Florence, Italy, September 2016. Poster
- 8. Granick MS, Paribathan C, Shanmugam M, Ramasubbu N. Spray Dispersion of Wound Debridement Instruments. SAWC, San Diego, California, April 2017. Poster LB-022.
- Granick MS, Paribathan C, Shanmugam M, Ramasubbu N, Direct Contact Low Frequency Ultrasound Clearance of Biofilm from Metallic Implant Materials. ePlasty. 17:e13, 2017.