

THE IMPACT OF TECHNOLOGY-BASED DEVICES

By Hooman Khorasani, MD



Thanks to recent advances, my colleagues and I at the Faculty Practice Associates now perform many high-tech procedures to treat skin diseases and appearance. We use topical and local numbing agents instead of general anesthesia to minimize discomfort. Most of these methods have the benefit of little or no downtime, but certain procedures and conditions do require a series of treatments for optimal results. These are some of our commonly used light-based, laser and radiofrequency devices.



CO₂ laser resurfacing of severe rosacea before and 4 weeks after two treatments with DeepFX™



Vascular laser treatment of a large hemangioma before and 4 weeks after two treatments with Vbeam™

Photos courtesy of Dr. Hooman Khorasani

RESURFACING DEVICES:

- DeepFX™ fractional ablative laser: *deep wrinkles and severe acne scars*
- ActiveFX™ fractional ablative laser: *severe pigmentation and age spots*
- TotalFX™: *a combination of DeepFX™ and ActiveFX™*
- Fraxel Re:store™ fractional non-ablative technique: *mild wrinkles and moderate acne scars*
- Fraxel Thulium™ fractional non-ablative technique: *mild pigmentation and age spots*

SKIN-TIGHTENING DEVICE:

- Thermage™ radiofrequency device: *nonsurgical skin tightening and contouring*

VASCULAR LESION DEVICES:

- Vbeam™ Pulsed Dye Laser (PDL): *acne, acne scars, hemangiomas, spider veins, and redness from rosacea*
- Quantum SR™ Intense Pulsed Light (IPL): *vascular lesions, unwanted pigmentation, and sun damage*

DEVICES FOR OTHER SKIN DISORDERS:

- Narrow-band Ultraviolet B (NB-UVB): *eczema, atopic dermatitis, psoriasis, and vitiligo*
- Excimer Laser: *Psoriasis, vitiligo, and hand/foot eczema that are unresponsive to NB-UVB*
- Q-switched Ruby and Nd:YAG Lasers: *removal of unwanted tattoos and pigmentation*
- LightSheer™ Diode Laser: *removal of unwanted hair*

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