Pyogenic Granulomas, Port-Wine Stains and Laser Treatment

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I read with interest the article by Abd-El-Raheem et al. [1] reporting 2 cases of pyogenic granuloma following treatment of vascular lesions with the flashlamp-pumped pulsed dye laser [1]. I reported with Dr. J. Cotterill 3 patients with vascular lesions developing pyogenic granulomas after treatment with a continuous-wave dye laser at 577 nm² [2]. Three of 141 patients with port wine stains also developed pyogenic granulomas unrelated to laser therapy. No patients treated

at our clinic with non-vascular lesions developed this disorder.

Thus pyogenic granulomas can arise both spontaneously in vascular ectatic lesions and following treatment with a variety of lasers, and the laser-induced stimulus may be relatively non-specific.

Finally, it should be remembered that pyogenic granulomas can also be successfully treated by the same vascular-specific lasers that may have contributed to their development!

References

Abd-El-Raheem TA, Hohenleutner U, Land-thaler M: Granuloma pyogenicum as a complication of flashlamp-pumped pulsed dye laser. *Dermatology* 1994;189:283-285. Lanigan SW, Cotterill JA: Pyogenic granulomas, port-wine stains and laser therapy. *Lasers MedSci* 1988;3:7-11.