



DERMATOLOGICAL SURGERY

## PARTIAL MATRICECTOMY AND PHENOLIZATION FOR THE TREATMENT OF PYOGENIC GRANULOMA-LIKE LESIONS INDUCED BY EPIDERMAL GROWTH FACTOR RECEPTOR INHIBITORS.

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**Background:** The periungual area (perionychium) of the nail may be affected by pyogenic granuloma-like lesions (PGL), which are the most common and disabling toxicities during targeted anticancer therapies. Management of PGL is usually difficult because of a failing and non lasting response to treatments (topical antiseptics, antibiotics, corticosteroids, surgery, etc

**Objective:** To evaluate safety and long-term efficacy of partial matricectomy and phenolization for the treatment of pyogenic granuloma-like lesions induced by epidermal growth factor receptor inhibitors.

**Methods:** 5 caucasian male patients (aged between 45 and 70 years) affected with pulmonary metastatic carcinoma with granuloma-like lesions of the big toes induced by gefitinib were included and treated with partial matricectomy and phenolization with 12 months follow-up.

**Results:** The healing period after surgery ranged from 2 to 4 weeks (Fig. 1). Treatment was well tolerated from all patients. No post-operative complications were seen or reported. All the patients had a complete resolution of the lesions and no recurrence was observed at the 12-months follow-up visit. The therapy with gefitinib was not interrupted.

**Conclusion:** Results from our experience in 5 patients provide further evidence of the long-term efficacy, safety, and tolerance of partial matricectomy and phenolization for the treatment of periungual pyogenic granuloma-like lesions associated with antineoplastic drugs increasing the compliance with the therapy.

