

### **FP 37: Pyoderma gangrenosum presenting as an ulceration of the eyelid and ear lobule**

Dulnuan, H.<sup>1</sup>, Garcia, C.<sup>1</sup>, Tirona-Remulla, A.<sup>1</sup>

<sup>1</sup> University of the Philippines-Philippine General Hospital, Manila, Philippines

A 3-year old female presented with a 2-week history of a pruritic, erythematous papule of her left ear lobule, eventually affecting her left eyelid and developing into a painful ulceration. The ulceration over the left eyelid was rapidly progressing, presenting as a painful, exudative, ulcerated lesion with serpiginous borders at the emergency room. The patient was initially managed as necrotizing fasciitis but did not respond to systemic antibiotics. Cultures of tissues taken from the affected areas revealed no growth; blood cultures also revealed no growth. Laboratory tests were also ordered, CRP was elevated; however, procalcitonin, C-ANCA and ANA all revealed normal results. Histopathology revealed neutrophilic dermatitis on the left eyelid and suppurative granulomatous dermatitis with secondary leucocytoclastic vasculitis on the left earlobe. The diagnosis of a pyoderma gangrenosum was then made after exclusion of a possible infectious process and other differential diagnoses. The ulcerations responded to systemic prednisone at a dose of 1mg/kg/day. To date, there are 10 reported cases of pyoderma gangrenosum affecting the auricular area, with none of them simultaneously involving other parts of the head and neck.