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Dupilumab Induced Psoriasiform Dermatitis
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History
• A 40-year-old Indian male with a long-standing history of severe atopic dermatitis (AD), asthma, and allergic rhinitis was started on dupilumab after failing multiple treatment modalities
• Two weeks after the dupilumab 600 mg loading dose, he noted a remarkable improvement in his AD
• Following is fourth injection he developed a new asymptomatic pink scaly rash on his forehead and trunk in addition to red, itchy, watery eyes.
• He reported this to be a new eruption very different in quality than his AD

Examination
• On the forehead, extending throughout the scalp, eyebrows, central face and upper trunk were pink thin plaques and patches with overlying fine white scale
• Prior sites of atopic dermatitis including his antecubital and poplilateral fossa were clear
• Bilateral erythema of the conjunctiva

Clinical Photos
• Figure 2: pink to erythematous pathces to thin plaques on the forehead extending into the scalp with fine white flaky scale

Histopathology
• Figure 1: Punch biopsy of the right shoulder. Hematoxylin and eosin staining revealed psoriasiform epidermal acanthosis with mild spongiosis, compact stratum corneum with perifollicular parakeratosis and thinning of the granular layer. The underlying dermis had perivascular lymphocytic inflammation with pigment incontinence

References