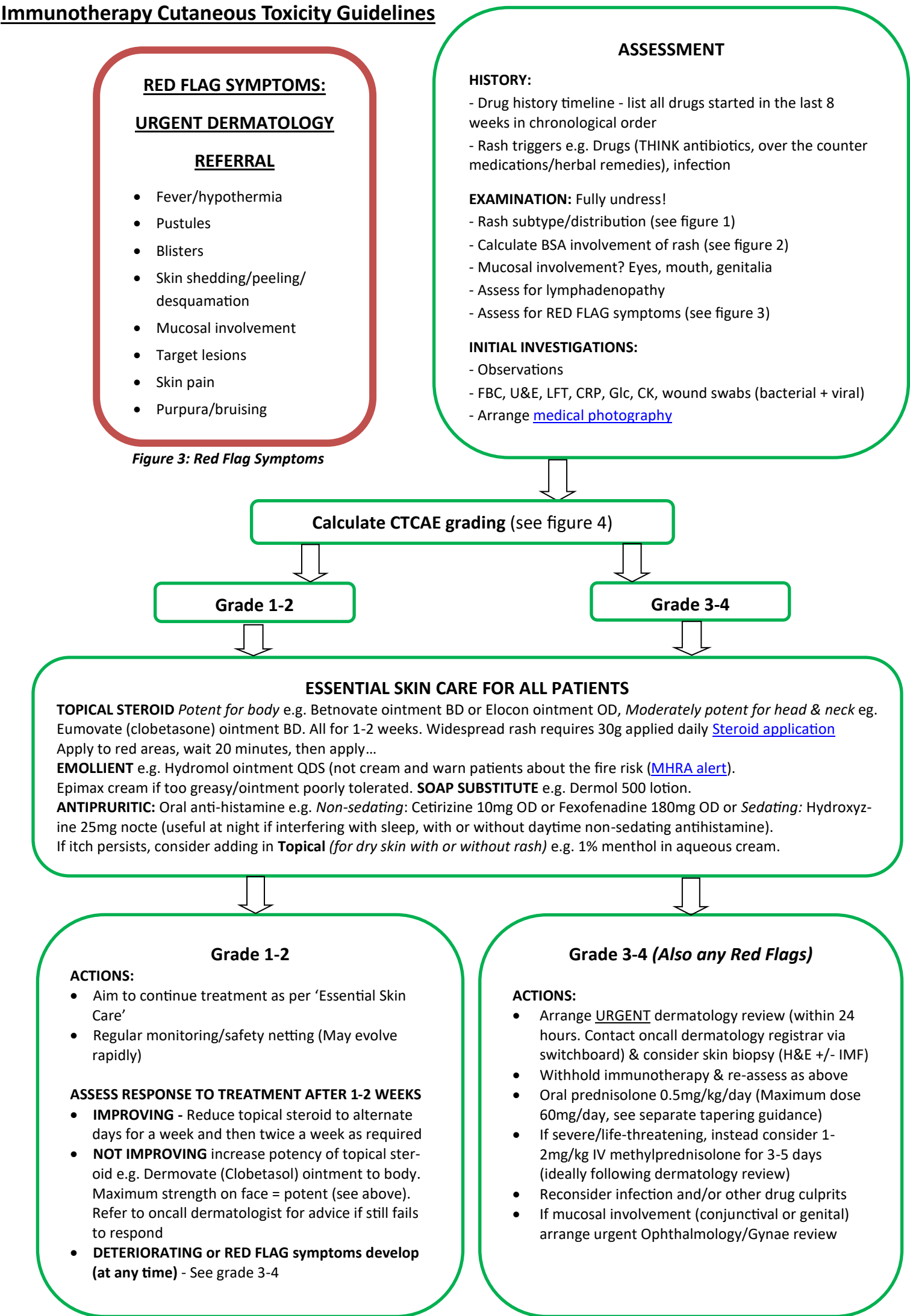


Immunotherapy Cutaneous Toxicity Guidelines









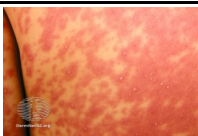
Rash	Description	Photo
Maculopapular/ Morbilliform	Generalised symmetrical red macules (flat patches) and papules (< 5mm lumps).	
Erythema Multiforme	Target lesions - sharp margin, regular round shape and three concentric colour zones: the centre is dusky or dark red with a blister or crust; the next ring is a paler pink and is raised due to oedema; the outermost ring is bright red. May be an early sign of SJS/TEN (see below).	
Blisters/Bullae	Fluid filled blisters >1cm. May be a sign of drug-induced bullous pemphigoid (may require oral tetracycline) or SJS/TEN (see below).	
Lichenoid/SLE-like eruption	Extensive slightly scaly purple papules and plaques distributed symmetrically over the trunk and limbs. May have a photosensitive distribution.	
Drug reaction with eosinophilia and systemic symptoms (DRESS)	Characterised by high fever, eosinophilia, lymphadenopathy and inflammation of one or more internal organs. The skin eruption can be varied but is most often a morbilliform eruption. Typically presents within 2-6 weeks of starting drug. Treat as at per Grade 3-4	
Stevens-Johnson syndrome (SJS) / Toxic Epidermal Necrolysis (TEN)	Tender/painful red skin rash with epidermal detachment (surface layer of skin peels away). Look for target lesions (see above) and mucosal membrane involvement (conjunctiva, oral and genital). Always Grade 3 or 4. Nikolsky sign - extension of a blister to adjacent un-blistered skin when pressure is put on the top of the blister. BAD guidelines on management	
Acute Generalised Exanthematous Pustulosis (AGEP)	Rapid appearance of areas of red skin studded with small sterile pustules.	

Figure 1: Rash subtypes

Rule of 9s: Only calculate involved skin eg. A confluent rash over all upper limb = 9%. If areas of sparing, then estimate involved skin surface area

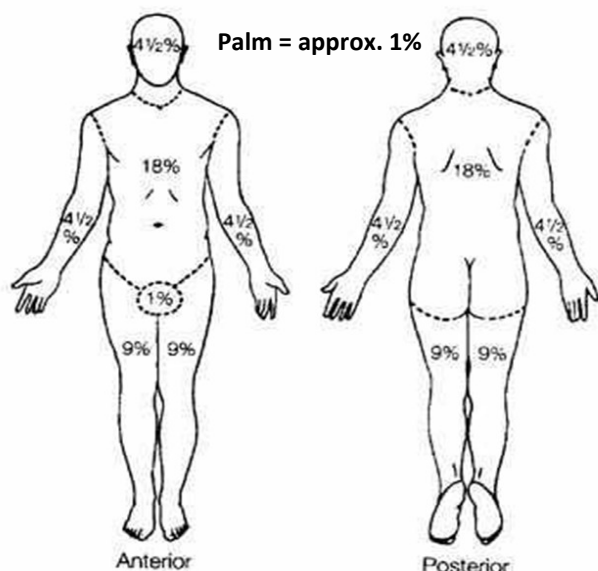


Figure 2: Body surface area calculator

CTCAE grade

Description

Grade 1

Skin rash, with or without symptoms, <10% BSA

Grade 2

Rash covers 10-30% BSA

Grade 3

Rash covers >30% BSA or Grade 2 with substantial symptoms

Grade 4

Skin sloughing >30% BSA with associated symptoms or life-threatening consequences.

Figure 4: Common Terminology Criteria for Adverse Events (CTCAE) grades