Distinguishing Between Incontinence Associated Dermatitis (IAD) & Pressure Injuries (PI)

Updated July 2021







Acknowledgement

The Clinical Excellence Commission would like to acknowledge the work Sydney Local Health District (SLHD) has contributed to this presentation.

The work is part of the Hospital Acquired Pressure Injury (HAPI) project in SLHD and many of the photos are courtesy of Michelle Barakat-Johnson and Thomas Leong, SLHD.

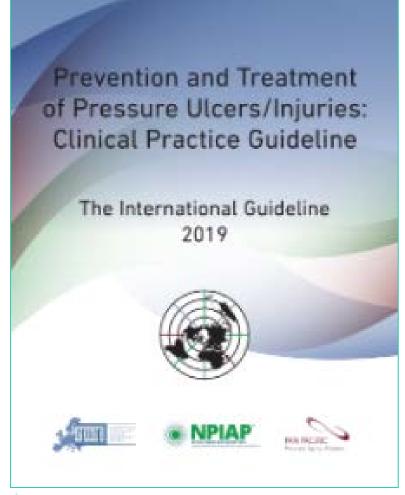


Aims

- To provide evidence based information to improve clinical knowledge about Incontinence Associated Dermatitis (IAD) and Pressure Injury (PI)
- To assist clinicians distinguish between IAD and PI

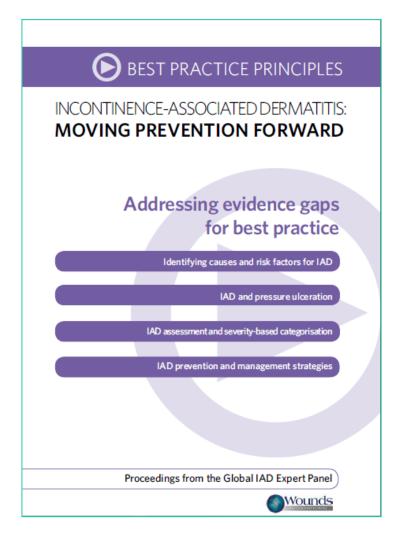


Guideline & Best Practice Principles

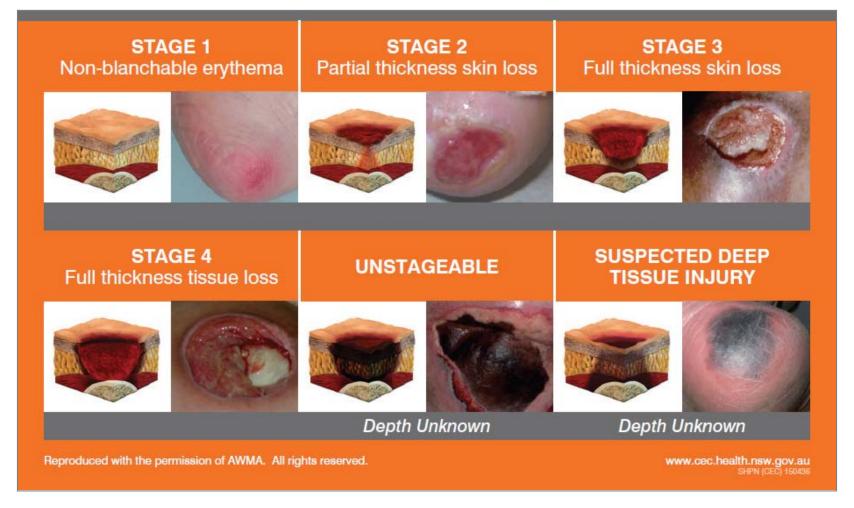








Pressure injury classification







Pressure injury classification

All 3D graphics designed by Jarrad Gittos, Gear Interactive, http://www.gearlinleractive.com.au

Stage I pressure injury: non-blanchable erythema | Stage II pressure injury: partial thickness skin loss Stage III pressure injury: full thickness skin loss Intact skin with non-blanchable redness of a localised Partial thickness loss of dermis presenting as a shallow, · Full thickness tissue loss. Subcutaneous fat may be area usually over a bony prominence. open wound with a red-pink wound bed, without visible but bone, tendon or muscle are not exposed. · Darkly pigmented skin may not have visible blanching; Slough may be present but does not obscure the depth its colour may differ from the surrounding area. May also present as an intact or open/ruptured serumof fissue loss. May include undermining and tunnelling. . The area may be painful, firm, soft, warmer or cooler filled blister. The depth of a stage III PI varies by anatomical location. compared to adjacent tissue. Presents as a shiny or dry, shallow ulcer without slough The bridge of the nose, ear, occiput and malleolus do or bruising (NB bruising indicates suspected deep fissue . May be difficult to detect in individuals with dark skin not have subcutaneous tissue and stage III PIs can be shallow. In contrast, areas of significant adiposity can May indicate "at risk" persons (a heralding sign of risk). develop extremely deep stage III Pts. Bone or tendon is Stage II PI should not be used to describe skin tears, tape burns, perineal dermatitis, maceration or excoriation. not visible or directly palpable. Stage IV pressure injury: full thickness tissue loss Unstageable pressure injury: depth unknown Suspected deep tissue injury: depth unknown • Full thickness fissue loss with exposed bone, tendon | • Full thickness tissue loss in which the base of the PI is | • Purple or maroon localised area or discoloured, intact covered by slough (yellow, fan, grey, green or brown) or muscle. Slough or eschar may be present on some skin or blood-filled blister due to damage of underlying parts of the wound bed. and/or eschar (tan, brown or black) in the PI bed. soft fissue from pressure and/or shear. The area may be The depth of a stage IV pressure injury varies by Until enough slough/eschar is removed to expose the preceded by tissue that is painful, firm, mushy, boggy, anatomical location. The bridge of the nose, ear, base of the PL the true depth, and therefore the stage, warmer or cooler as compared to adjacent tissue. acciput and mallealus do not have subcutaneous cannot be determined. Stable Jary, adherent, intact · Deep tissue injury may be difficult to detect in individuals fissue and these PIs can be shallow. Stage IV PIs can without erythema or fluctuance) eschar on the heels with dark skin tone. extend into muscle and/or supporting structures (e.g. serves as the body's natural biological cover and Evolution may include a thin blister over a dark wound fascia, tendon or joint capsule) making osteomyelitis should not be removed. bed. The PI may further involve and become covered possible. Exposed bone or fendon is visible or directly by thin eschar. Evolution may be rapid, exposing additional layers of tissue even with optimal treatment. palpable.

Photos stage, LIV, unstaggobble and suspected deep fissue injury courtesy C. Young, Launceston General Hospital, Photos stage II and III courtesy K, Carville, Silver Chain, Used with permission,



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Based on National Pressure Ulcer Advisory Panel (NPUAP), European Pressure Ulcer Advisory Panel (EPUAP). Prevention and Treatment of Pressure Ulcers: Clinical Practice Guideline. 2009, Washington DC: NPUAP cited in Australian Wound Management Association. Pan Pacific Clinical Practice Guideline for the Prevention and Management of Pressure Injury. Abridged Version, AWMA; March 2012. Published by Cambridge Publishing, Osborne Park, WA.

IAD severity categorisation tool

Clinical presentation	Severity of IAD	Signs**
Image ©3M, 2014	No redness and skin intact (at risk)	Skin is normal as compared to rest of body (no signs of IAD)
Jmage countery Joan Junion	Category 1 - Red* but skin intact (mild)	Erythema +/-oedema
moderate severe	Category 2 - Red* with skin breakdown (moderate-severe)	As above for Category 1 +/-vesicles/bullae/skin erosion +/- denudation of skin +/- skin infection

^{*} Or paler, darker, purple, dark red or yellow in patients with darker skin tones

^{**}If the patient is not incontinent, the condition is not IAD





Distinguishing IAD from pressure injury

Parameter	IAD	Pressure injury
History	Urinary and/or faecal incontinence	Exposure to pressure/shear
Symptoms	Pain, burning, itching, tingling	Pain
Location	Affects perineum, perigenital, peristomal area; buttocks; gluteal fold; medial and posterior aspects of upper thighs; lower back; may extend over bony prominence	Usually over bony prominence or associated with location of a medical device
Shape/edges	Affected area is diffuse with poorly defined edges/ may be blotchy	Distinct edges or margins
Presentation/depth	Intact skin with erythema (blanchable/non-blanchable), with/without superficial/ partial-thickness skin loss	Presentation varies from intact skin with non-blanchable erythema to full-thickness skin loss Base of wound may contain non-viable tissue
Other	Secondary superficial skin infection (e.g. candidiasis) may be present	Secondary soft tissue infection may be present





Sometimes it's confusing to know which is which. Here is an example of a patient who has moisture lesions as well as a pressure injury

Moisture lesions

Poorly defined edges, appears blotchy



Pressure injury

Over a bony prominence, distinct edges

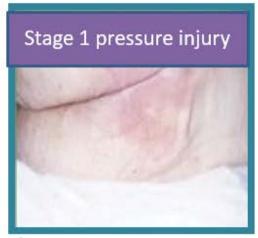












































IAD reported as PI

















Differentiating IAD from PI

It is often difficult for clinicians to correctly identify IAD and to distinguish it from PI (Stage 1 or 2).

If the person is not incontinent, the condition is not IAD.

Refer to the 'Distinguishing IAD from Pressure Injury' guideline to assist in correctly diagnosing in order to determine the best treatment strategy





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Questions







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