STANDARD TREATMENT WORKFLOW (STW)

Psoriasis

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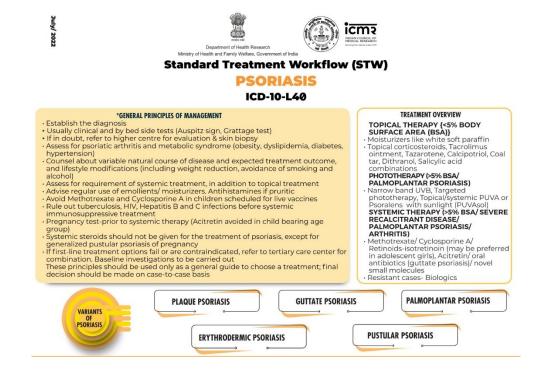
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Standard Treatment Workflow (STW)

PSORIASIS

ICD-10-L40

*GENERAL PRINCIPLES OF MANAGEMENT

- Establish the diagnosis
 Usually clinical and by bed side tests (Auspitz sign, Grattage test)
 If in doubt, refer to higher centre for evaluation & skin biopsy
 Assess for psoriatic arthritis and metabolic syndrome (obesity, dyslipidemia, diabetes, hypertension)
 Counsel about variable natural course of disease and expected treatment outcome,
- Counsel about variable natural course of disease and expected treatment outcome and lifestyle modifications (including weight reduction, avoidance of smoking and alcohol).

- and lifestyle modifications (including weight reduction, avoidance of smoking and alcohol)

 Assess for requirement of systemic treatment, in addition to topical treatment
 Advise regular use of emollients/ moisturizers. Antihistamines if pruritic
 Avoid Methotrexate and Cyclosporine A in children scheduled for live vaccines
 Rule out tuberculosis, HIV, Hepatitis B and C infections before systemic immunosuppressive treatment
 Pregnancy test-prior to systemic therapy (Actiretin avoided in child bearing age group)
 Systemic steroids should not be given for the treatment of psoriasis, except for generalized pustular psoriasis of pregnancy
 If first-line treatment options fail or are contraindicated, refer to tertiary care center for combination. Baseline investigations to be carried out
 These principles should be used only as a general guide to choose a treatment; final decision should be made on case-to-case basis

TREATMENT OVERVIEW

- TOPICAL THERAPY (-5% BODY SURFACE AREA (BSA))
 Moisturizers like white soft paraffin Topical corticosteroids, Tacrolimus ointment, Tazarotene, Calcipotriol, Coal tar, Dithranol, Salicylic acid combinations
- PHOTOTHERAPY (>5% BSA/ PALMOPLANTAR PSORIASIS)
- Narrow band UVB, Targeted phototherapy, Topical/systemic PUVA or
- phototherapy, Topical/systemic PUVA or Psoralens with sunlight (PUVAsol) SYSTEMIC THERAPY (>5% BSA/ SEVERE RECALCITRANT DISEASE/ PALMOPLANTAR PSORIASIS/ ARTHRITS) Methotrexate/ Cyclosporine A/ Retinoids-isotretinoin (may be preferred in adolescent girls), Actiretin/ oral antibiotics (guttate psoriasis)/ novel small molecules Resistant cases- Biologics



PLAQUE PSORIASIS

GUTTATE PSORIASIS

PALMOPLANTAR PSORIASIS

ERYTHRODERMIC PSORIASIS

PUSTULAR PSORIASIS

PLAQUE PSORIASIS

Erythematous plaques with silvery white scales

LIMITED PLAQUE PSORIARIS (< 5%)

PRIMARY / SECONDARY LEVEL

- 'KIMAKY' SECONDARY LEVEL
 Face and flexures 1% Hydrocortisone/
 low potency steroid cream OD for 2
 weeks
 Trunk and extremities Betamethasone
- cream (or any other potent steroid, preferably with Salicylic acid 3-6%) OD for 2-4 weeks Other topical treatment as listed in treatment overview

TERTIARY LEVEL

IENTIARY LEVEL

- Continue with topical therapy
- If the patient does not respond in 6-8
weeks, try alternate topical agents and/
or systemic therapy or NB UV-B/ PUVA/
PUVAsol

GENERALIZED PLAQUE PSORIASIS REFER TO GENERAL PRINCIPLES OF MANAGEMENT PREFERABLY TO BE MANAGED AT HIGHER CENTRE

Systemic treatment-refer to treatment

biologicals

- overview If these fail or are contraindicated, refer to tertiary level for combination or rotational therapy/ novel small molecules/
- Continue emollients Avoid irritants & prolonged use of topical steroids
- Scalp- Tar based shampoo and topical steroids +/- salicylic

GUTTATE PSORIASIS

CLINICAL FEATURES

Shower of numerous erythematous papules < 1 cm on the trunk and extremities

Seen more commonly in younger patients

REFER TO GENERAL PRINCIPLES OF MANAGEMENT* Primary health centre/Level

Antibiotics for streptococcal infection

Secondary Level

Tertiary Level

TREATMENT

- Same as primary level care
- · Narrow band UVB
- · Refractory cases- consider systemic Same as primary level care
 Psoralen ultraviolet A Solar (PUVAsol)

 Refractory cases- consider systemic
 treatments including novel small molecules



PALMOPLANTAR PSORIASIS

Chronic erythematous well defined plaques symmetrically on palms and soles, and occassional nail involvement to be differentiated from palmoplantar eczema

REFER TO GENERAL PRINCIPLES OF MANAGEMENT*

PRIMARY HEALTH CENTER

SECONDARY CARE HOSPITAL AND TERTIARY CARE HOSPITAL

- PRIMARY HALTH CHIER

 Topical petrolatum at least twice daily
 Add antibiotics if signs of infection
 Potent steroid-salicylic acid
 combination Refer to higher center if
 not responding in 6-8 weeks

 Sconbary Care Hospital And Territary Care Hospital Steroid-salicylic acid with
 occlusion (if very thick plaques) for 2-4 weeks
 Phototherapy. Hand and foot NB UV-B/ PUVA soaks
 Systemic therapy refer to treatment overview



ERYTHRODERMIC PSORIASIS

CLINICAL FEATURES

- Generalised erythema and scaling involving >90% of the BSA
- Triggered by withdrawal of systemic corticosteroids/ potent topical steroids or HIV
- infection

 Common D/D- dermatitis, drug reactions, pityriasis rubra pilaris, idiopathic erythroderma

 Methotrexate or Cyclosporine A
 Maintenance- Acitretin/ NbUVB/ PUVA · If patient fails to respond, consider biologics

SPECIFIC MANAGEMENT Skin biopsy, if in doubt



CLINICAL FEATURES

- · Crops of localized or generalised sterile pustules and lakes of pus with surrounding erythema,
- often associated with fever
- In pregnancy- presents as impetigo herpetiformis,may lead to intrauterine growth retardation or still birth



GENERAL MANAGEMENT AT PRIMARY CARE

- Stabilize patient & treat secondary infection
 Maintain temperature/ fluid and electrolyte balance
 Admit if febrile & unstable vitals

- High protein diet Lab investigations: Complete Hemogram, Liver & Kidney Function test Refer to higher center for specific management
 - SPECIFIC MANAGEMENT

 - SPECIFK MANAGEMENT
 Assess patient
 Take drug history (particularly Beta-lactams, Macrolides, Calcium channel blockers) to rule out acute generalized exanthematous pustulosis
 Generalized pustular psoriasis admit the patient and follow general measures as for psoriatic erythroderma
 In addition to blood tests as listed previously, serum calcium (patients may have hypocalcemia) should also be estimated
 Acitretin/ Methotrexate/ Cyclosporine

PSORIASIS IS COMPLETELY TREATABLE BUT HAS A CHRONIC COURSE for various levels of healthcare system in the country. These broad guidelines are advisory, and in the management of an individual patient based on his/her specific condition, as decided by sindly visit the website of DHR for more information: (stw.lcmr.org.in) for more information. ndia. This STW has been prepared by national expe

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