

Dr James Britton

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Ozone Health

Clinical partnership

Dermatology:

■ Malignancy

Melanocytes

- Atypical naevus sy
- Lentigo maligna
- Melanoma in situ
- Malignant melanoma

Squamous cells

- Actinic keratoses
- Bowens disease
- Squamous cell carcinoma

Basal cells

- Basal cell carcinoma

■ Benign

Lesions

- Seborrheic warts
- Naevi
- Cysts
- Warts
- Dermatoses

Features

- Pigment
- Erythema
- Scale
- Ulceration
- Tumour (nodule)
- Edge

■ Rashes

Tissue reactions

- Lichenoid (interface)
- Psoriasiform
- Spongiform
- Vesicobullous
- Granulomatous
- Vasculopathic

Epidermis

- Maturation & keratin
- Pigment

Infections

- Bacteria, virus, fungus
- Parasites

Skin cancers:

- Melanocyte

Melanocytes

- Atypical naevus sy
- Lentigo maligna
- Melanoma in situ
- Malignant melanoma
- Amelanotic

Benign

- Seborrheic warts
- Naevi
- Lentigo
- Haemangiomas

- Squamous cell carcinoma (**SCC**)

Lesions

- Nodule
- Ulcer

Benign

- Bowens - SCC in situ
- Actinic keratoses

- Anything scaly

- Basal cell carcinoma (**BCC**)

- Nodule
- Morphoeic

Benign

- Anything red

Skin cancer - Differential

- BCC
- SCC
- Melanoma
- Lentigo maligna
- Sarcoma
- Cutaneous lymphomas
- Adnexal tumours
- Etc...etc...

Skin cancer – Therapy

- 4mm excision margin
- Radiotherapy
- PDT – photodynamic therapy
- Cryotherapy

- Immunomodulators

Skin Types¹



1

Very Fair

*always burns
cannot tan*



2

Fair

*usually burns
sometimes tans*



3

Medium

*sometimes burns
usually tans*



4

Olive

*rarely burns
always tans*



5

Brown

*never burns
always tans*



6

Black

*never burns
always tans*

Benign differential

- Naevi
 - Eczema and excoriations
 - Seb warts
 - Lentiginosities
 - Varicose & discoid eczema
 - Psoriasis
 - Discoid lupus
 - Granuloma faciale, Jessners
 - Infections – mycobacteria – fish tank granuloma
 - Tricholemmomas
- Etc...etc...etc

Basal cell series

- Most common
- Red
- Pearled
- 85% head and neck¹
- East Yorkshire – 350,000 popⁿ
 - Goole-Spurn point-Flamborough: ?







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Squamous series

- Second most common
- Most common form of symptomatic sundamage
 - AK > Bowens
- East Yorkshire – 350,000 popⁿ
 - Goole-Spurn point-Flamborough: ?







Melanocytic series

- Highest risk
- Highest stress
- Seborrheic warts most common brown thing 30+¹
- Naevi most common brown thing <30¹

- East Yorkshire – 350,000 popⁿ
 - Goole-Spurn point-Flamborough: ?

Information sourced from Dr James Britton

1. Griffiths C, Barker J, Bleiker T, Chalmers R, Creamer D. *Rook's Textbook of Dermatology*, 9th ed. New Jersey: Wiley-Blackwell; 2016.





DermNetNZ.org



DermNetNZ.org

Really rare things

- Sarcomas
- Lymphomas
- Merkel cell.....
- Dermatofibromasarcoma protuberans

Management of skin cancer?

- Get an opinion
- Go to www.theworldhealthnet.co.uk
- Clinical partnership consultants report
 - Diagnosis
 - Treatment plan
 - Onward 2 week wait referral for you
 - Follow up online
- This is your online dermatology service

Skin cancer & AK – Therapy

- Immunomodulators
 - Diagnostic
 - will react if AK/Bowens/BCC – and treat
 - No reaction – reassuring benign
 - Bigger the reaction – better the cure
 - 3 week review is crucial
 - Reassure patient
 - Check it is reacting – if not, why not?
 - Efudix – 5Fluorouracil (5FU) – twice a day 1 month
 - Aldara – imiquimod
 - Monday, Wednesday, Friday 1 month – AK & Bowens
 - Monday to Friday for 6 weeks - BCC



DermNetNZ.org

Covered

- Melanoma – brown one (unless its red)
- SCC – scaly one
- BCC – red one

- Teledermatology – clinical partnership
 - access the dermatology pathway
 - Remote supervision of topical cancer therapy

Telemedicine update

- www.theworldhealthnet.co.uk
- Clinical partnership
 - UK registered dermatologists
 - 48 hour turnaround
 - 1700 new and follow up referrals per month
 - Working with south Yorkshire Cancer alliance team