Questions With Answers

Which type of skin cancer is most common (overall)?

- A. Basal Cell Carcinoma
- B. Squamous Cell Carcinoma
- C. Melanoma
- D. Cutaneous lymphoma
- E. Kaposi's sarcoma

Which type of skin cancer is the deadliest?

- A. Basal Cell Carcinoma
- B. Squamous Cell Carcinoma
- C. Melanoma
- D. Cutaneous lymphoma
- E. Kaposi's sarcoma

Which type of skin cancer is most common in skin of colour patients?

- A. Basal Cell Carcinoma
- **B. Squamous Cell Carcinoma**
- C. Melanoma
- D. Cutaneous lymphoma
- E. Kaposi's sarcoma

Skin Cancer Vital Facts

- 210,000 cases of nonmelanoma skin cancer + over 16,000 cases of melanoma/year
- 918 non-melanoma skin cancer and 2,300 melanoma skin cancer deaths / year

Skin cancer in society: Why is it important?

- Lack of literature
- Worse outcomes in Skin of colour (SoC) patients
- Different clinical features and presentation
- Increasing SoC population

Types of skin cancer

- More common
 - · Basal cell carcinoma
 - Squamous cell carcinoma
 - Melanoma
- Less common
 - Kaposi's sarcoma
 - Cutaneous lymphoma
 - Dermatofibrosarcoma protuberans

Risk Factors for Skin Cancer

- Risk factors
- Sun exposure
- Immunosuppression
- Genetic predisposition (eg albinism)
- Viruses (eg HPV)
- Smoking
- Previous burns or scars

Do people of colour need to wear sunscreen?

- UV shown to increase Basal Cell Carcinoma's in skin of colour patients therefore are encouraged to use sunscreen.
- Lack of studies including skin of colour patients

Basal Cell Carcinoma

Definition: Uncontrolled proliferation of basal cells in the skin

Typically seen in:

- Elderly men
- Sun-exposed sites

Typical Clinical Presentations of Basal Cell Carcinoma

LESS PIGMENTED SKIN

Translucent (95%), solitary nodules



https://dermnetrz.org/topics/basal-cell-carcinoma-in-skin-of-colour

MORE PIGMENTED SKIN

Pigmented (50%) solitary nodules



Other Clinical Presentations include











Treatment of BCC

Main goals of treatment

- Completely remove the tumour to prevent recurrence.
- Correct any functional impairment resulting from the tumour.
- Provide the best cosmetic result.

Treatment options available:

- Mohs surgery
- Curettage and electrodesiccation
- Excisional surgery
- Radiation therapy
- Photodynamic therapy
- Cryosurgery
- Medications (eg Vismodegib, Sonidegib)

Squamous Cell Carcinoma

Definition: Uncontrolled proliferation of squamous cells in the epidermis

- Risk factors:
 - UV exposure
 - Actinic keratoses
 - Previous skin cancerPrevious cutaneous injury
 - Chronic inflammation/scarring
 - Immunosuppression
 - Exposure to arsenic

Typical Clinical Presentation

LESS PIGMENTED SKIN

Sun exposed areas, firm nodules or plaques with crusted surface



https://dermnetnz.org/topics/squamous-cell-carcinoma-in-skin-of-colour

MORE PIGMENTED SKIN

Non-sun exposed areas, non healing ulcer



Other Clinical Presentations







Squamous Cell Carcinoma

Treatment is same as for basal cell carcinoma:

- Surgical excision
- Curettage and cautery
- Cryotherapy
- Mohs surgery
- Radiotherapy

Prognosis

• Delayed diagnosis leads to greater chances of metastases

Melanoma

Definition: Uncontrolled proliferation of melanocytes

Risk factors:

- UV exposure
- Family history of melanoma
- Congenital mole > 20cm diameter
- Immunosuppression
- Dysplastic naevi
- Burn scars

"ABCDE" for melanoma

- Asymmetry
- Border irregularity
- Color
- Diameter >= 6mm
- Evolution

Glasgow 7-point checklist

Major features (2 points each)

- Change in size
- Irregular shape
- Irregular colour

Minor features (1 point each)

- Largest diameter 7mm or more
- Inflammation
- Oozing
- Change in sensation (including itch)

Melanoma Subtypes

SUPERFICIAL SPREADING MELANOMA

Melanoma commonly affecting the trunk or legs Irregular brown lesion with variegate



ACRAL LENTIGINOUS MELANOMA

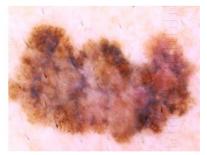
Melanoma of the palms, soles and nail beds
Asymmetric, enlarging dark-brown/black macule or



Superficial Spreading Melanoma



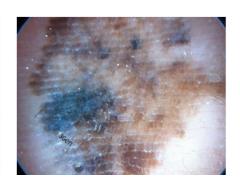




Acral Lentiginous Melanoma







Dermatofibrosarcoma protuberans

Definition: Skin cancer arising in the dermis.

Presentation: Painless plaque developing into nodule, feels firm to touch and is fixed onto skin.

Diagnosis: Skin biopsy Treatment: Surgical excision

Prognosis:

• High recurrence rate (10-20% come back within 3 years of excision)

Follow up to examine site every 6 months for 5 years, then annually









Cutaneous T - Cell Lymphomas (CTCL)

Definition: Clonal malignancy of T cells

Aetiology: unknown, association with HTLV-1 (T cell lymphocytic virus type 1)

Presentation: Patches, papules, nodules, plaques or tumours, commonly itchy (80%)

Common types of CTCL

Mycosis fungoides







Investigations:

- skin biopsy
- genetic studies
- immunohistochemistry

Treatment

- Topical
- Surgical and systemic treatments

Kaposi's sarcoma

Definition: Proliferation of endothelial cells of blood vessels and lymph vessels

Presentation: Red/purple macules, papules and nodules





4 types of Kaposi's Sarcoma:

• Classic: Older men, associated with DM

• Endemic/African: seen in children and young adults - poor prognosis with generalised lymphadenopathy.

• latrogenic: due to immunosuppression

• HIV-associated: 15% of patients with AIDS develop KS

DISCLAIMER: Please note that this is a resource to help students and health professionals. It is not intended and should not be used as a resource, guideline or reference for clinical practice or decision making. It is not designed for patients looking for medical information or advice.

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The notes of this lecture was based on the materials of the lecture "Skin cancer in diverse skin types by Yoon Soo Park"