

Patient Three Details

HISTORY OF PRESENT ILLNESS

The patient was apparently asymptomatic 8 months ago when he noticed a small black spot over the left plantar surface. The lesion gradually increased in size and became irregular in shape over the last 4 months.

There was no history of trauma, but occasional spontaneous bleeding was noted for the past 1 month.

There is no history of pain, itching, or discharge.

No history of similar lesions elsewhere on the body.

No constitutional symptoms such as fever, weight loss, or night sweats.

PAST HISTORY

- No history of previous malignancy
- No history of chronic skin disease
- No immunosuppression

PERSONAL HISTORY

- Diet: Mixed
- Tobacco: Occasional smoking for 20 years
- Alcohol: Social drinker

FAMILY HISTORY

- No family history of melanoma or other malignancies

GENERAL PHYSICAL EXAMINATION

- Patient conscious and oriented
- Vitals: Stable
- Pallor: Absent
- Icterus / Cyanosis / Clubbing / Edema: Absent

- Lymph nodes: Left inguinal lymph node enlarged (2 × 2 cm), firm, non-tender, mobile

LOCAL CUTANEOUS EXAMINATION

Site: Left sole (weight-bearing area)

Number: Single lesion

Size: 4 × 3 cm

Shape: Asymmetrical

Margins: Irregular, poorly defined

Color: Variegated pigmentation: black, brown, and areas of depigmentation

Surface

- Ulcerated areas present
- Occasional bleeding

Consistency: Firm

Local rise of temperature: Not raised

Surrounding skin: No erythema or satellite lesions

SYSTEMIC EXAMINATION

- RS- B/L NVBS heard
- PA-soft non-tender
- CVS-S1S2 heard, no murmur
- CNS- NAD

PROVISIONAL DIAGNOSIS

Acral Lentiginous Malignant Melanoma of left sole with regional lymphadenopathy.

DIFFERENTIAL DIAGNOSIS

- Benign melanocytic nevus
- Plantar wart
- Pigmented basal cell carcinoma
- Subungual hematoma

INVESTIGATIONS

Dermatoscopy

- Asymmetry of structure and color
- Irregular streaks
- Blue-white veil
- Atypical pigment network

Histopathology (Excision Biopsy)

- Atypical melanocytes in junctional and dermal layers
- Pagetoid spread of melanocytes
- Marked nuclear pleomorphism and hyperchromasia
- Increased mitotic activity
- Tumor cells containing melanin pigment

Immunohistochemistry

- S-100: Positive
- HMB-45: Positive
- Melan-A (MART-1): Positive

Tumor Thickness (Breslow)

- 2.4 mm

Clark Level

- Level IV (Invasion into reticular dermis)

Metastatic Work-up

- USG abdomen: Normal
- CT chest and abdomen: No distant metastasis
- FNAC of inguinal lymph node: Metastatic melanoma cells present