

## 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 ( $2 \times 2$  cm), firm, non-tender, mobile

## LOCAL CUTANEOUS EXAMINATION

**Site:** Left sole (weight-bearing area)

**Number:** Single lesion

**Size:**  $4 \times 3$  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