# TEST YOUR KNOWLEDGE: Bra n teaser

# Nail discolouration

A 33 year old man presented with punctate and transverse discolouration of the finger nails.

### Question 1

What is the diagnosis?

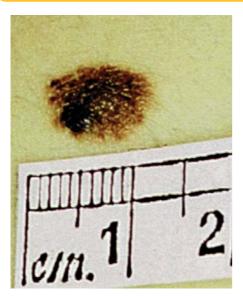
**Question 2** What is the significance of this nail discolouration?

**Question 3** What conditions are associated with the symptom?



Jerzy K Pawlak

## Answer to last month's brain teaser



#### Answer 1

The likely diagnosis is melanotic change in a dysplastic naevus as part of a syndrome characterised by flat variably pigmented macules occurring all over the body but concentrated on the trunk. There is usually a strong family history of naevi and sometimes an additional family history of melanoma, often occurring at an early age. Dysplastic naevus syndrome in association with melanoma is a trait inherited in autosomal dominant fashion, with an ill defined pattern of molecular changes.

#### **Answer 3**

The cause of itching in melanoma is unknown, but is a classic indication of malignant change in a pre-existing pigmented lesion.

#### Answer 4

The pre-existing dysplastic naevus, the itching and the area of deep pigmentation are all indications for excisional biopsy with a margin of at least 1 cm, which may in itself be a curative excision depending on the Breslow thickness if this is less than 1.5 mm. A deeper lesion will require wider re-excision. In follow up, first degree relatives should be reviewed and the patient should have annual skin checks. Photographs should be taken to monitor other lesions.

Send your answers to arrive by 5 March. A voucher for medical books or medical equipment to the value of \$100 will be awarded for the first correct entry drawn. The winner will be notified by mail and the answer published in the March 2003 issue.

Address entries to: January/February Brain Teaser Australian Family Physician 1 Palmerston Crescent South Melbourne Victoria 3205

#### Answer 2

The winner of the November Brain teaser is Dr C Aarons, Bondi Junction, NSW