



# Brown pigmented lesion

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## Case history

A 10 year old girl presents with a brown pigmented lesion, 4 mm in diameter with a slightly elevated and sharply marginated 12 mm white zone associated with a white, sharply marginated oval spot, 11 mm in diameter.



## Question 1

What is the diagnosis?

## Question 2

What stages can be observed?

## Question 3

What treatment is indicated?

## ANSWERS TO JANUARY/ FEBRUARY BRAIN TEASER



### Answer 1

Ocular myasthaenia gravis.

### Answer 2

Myasthaenia gravis is an autoimmune disease characterised by weakness and fatigue of skeletal muscle. Patients with myasthaenia gravis produce autoantibodies against the postsynaptic nicotine acetylcholine receptor.

### Answer 3

Medications such as aminoglycosides, ciprofloxacin and beta blockers can exacerbate the symptoms of myasthaenia gravis.

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### Answer 4

Patients with myasthaenia gravis sometimes have associated conditions such as thymomas and other autoimmune disorders including thyroid disease, rheumatoid arthritis, diabetes mellitus and systemic lupus erythematosus.

### Answer 5

Ocular myasthaenia gravis can be diagnosed with a variety of tests. Office tests include the 'ice test' (improved ptosis after exposing the eyelids to ice), the 'rest test' (fewer symptoms after a period of rest) and tensilon testing (pharmacologically induced improvement in symptoms using an anticholinesterase inhibitor). Results of serologic assays for Ach-R antibodies are positive in 90% of patients with systemic myasthaenia gravis and in 70% with ocular myasthaenia gravis. Electromyographic testing can also assist in diagnosing myasthaenia gravis.

Send your answers to arrive by 20 March. A prize of 12 months subscription to 'eTG complete' will be donated by Therapeutic Guidelines Ltd to the first correct entry drawn. The winner will be notified by mail and the answer published in the April 2003 issue.



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The winner of the January/February Brain teaser is Dr Alison Wishaw, Ulverstone, Tasmania