

*BRIEFLY*  
**Science**

PREVENTION

### **How to detect intestinal worms**

A Canadian doctor has produced a microscope that works reasonably well at diagnosing intestinal worms in children.

The invention, described recently in *The American Journal of Tropical Medicine and Hygiene*, was tested in Tanzania. A little \$8 lens was taped with a piece of double-sided tape over the lens of an iPhone 4. The camera's zoom was increased to maximum, and microscope slides were pressed right up to the lens, with another bit of tape atop the samples to keep the lens clean. A pen flashlight shone light through the slide.

The inexpensive arrangement did not match the accuracy of a scan of the same slides with a conventional microscope, but it did about 70 percent as well. The iPhone set-up correctly detected giant roundworm eggs 81 percent of the time and roundworm eggs 54 percent of the time. But it was only 14 percent accurate at finding hookworm eggs.

Donald G. McNeil Jr.

*New York Times, 2013*

## Tekst 12 How to detect intestinal worms

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- 1p 40 “How to detect intestinal worms” (titel)  
Welk woord uit de tekst maakt duidelijk wat het belangrijkste voordeel is van de nieuwe onderzoeksmethode?  
Citeer dit woord.
- 1p 41 How is the new method devised to detect intestinal worms presented in the text?
- A as a clumsy solution
  - B as a complex approach
  - C as a controversial initiative
  - D as a necessary innovation
  - E as a practical alternative

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### Bronvermelding

*Een opsomming van de in dit examen gebruikte bronnen, zoals teksten en afbeeldingen, is te vinden in het bij dit examen behorende correctievoorschrift, dat na afloop van het examen wordt gepubliceerd.*