- 28 Williams DJ, Bayliss R, Hinchcliffe R. Intravenous access: obtaining large bore access in the shocked patient. *Ann R Coll Surg Engl* 1997;79:466.
- 29 Jaques PF, Mauro MA, Keefe B. Ultrasound guidance for vascular access. *J Vasc Intervent Radiol* 1992;3:427-30.
- 30 Donaldson JS, Morello FP, Junewick JJ, O'Donovan JC, Lim-Dunham J. Peripherally inserted central venous catheters: US guided vascular access in paediatric patients. *Radiology* 1995;197:542-4.
- 31 Sofocleous CT. Sonographically guided placement of peripherally inserted central venous catheters: review of 355 procedures. *AJR* 1998;170:1613-6.
- 32 Cardella JF, Fox PS, Lawler JB. Interventional radiological placement of peripherally inserted central catheters. *J Vasc Intervent Radiol* 1993;4:653-60.
- 33 Crowley JJ, Pereira JK, Harris LS, Becker CJ. Peripherally inserted central catheters: experience in 523 children. *Radiology* 1997;204:617-21.
- 34 Whiteley MS, Chang BP, Marsh H P, Williams AR, Marton HC, Horrocks M. Use of hand-held Doppler to identify 'difficult' forearm veins for cannulation. *Ann R Coll Surg Engl* 1995;77:224-6.
- 35 *Advanced Trauma Life Support Course for Physicians*. Chicago: American College of Surgeons, 1993; p 109.
- 36 McConnell AA, Mackay GM. Venepuncture: the medicolegal hazards. *Postgrad Med J* 1996;72:23-4.

Images in medicine

Hydatid disease of the liver

A 72-year-old Greek man was admitted to the hospital because of hepatomegaly and a mild elevation of serum liver enzymes. He complained of mild epigastric discomfort, especially after meals. Physical examination showed a moderately enlarged, firm, and nodular liver. His white cell count was $11.8 \times 10^9/l$, with 16% eosinophils. A computed tomographic (CT) scan of the liver (figure) revealed large cystic, lobulated structures with daughter cysts, a picture consistent with hydatid disease of the liver. Hydatid disease or echinococcosis was confirmed by a high antibody titer to hydatid antigen.

Figure CT scan of the liver

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