Guidance on the use of ultrasound locating devices for placing central venous catheters

National Institute for Clinical Excellence

Record Status
This is a bibliographic record of a published health technology assessment. No evaluation of the quality of this assessment has been made for the HTA database.

Citation

Authors' objectives
To provide guidance on the use of ultrasound locating devices for placing central venous catheters.

Authors' conclusions
Guidance: 1.1 Two-dimensional (2-D) imaging ultrasound guidance is recommended as the preferred method for insertion of central venous catheters (CVCs) into the internal jugular vein (IJV) in adults and children in elective situations.

1.2 The use of two-dimensional (2-D) imaging ultrasound guidance should be considered in most clinical circumstances where CVC insertion is necessary either electively or in an emergency situation.

1.3 It is recommended that all those involved in placing CVCs using two-dimensional (2-D) imaging ultrasound guidance should undertake appropriate training to achieve competence.

1.4 Audio-guided Doppler ultrasound guidance is not recommended for CVC insertion.

Project page URL
http://www.nice.org.uk/cat.asp?c=36752

Indexing Status
Subject indexing assigned by CRD

MeSH
Catheterization; Catheterization, Central Venous; Ultrasonography

Language Published
English

Country of organisation
England

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AccessionNumber
32003000007

Date bibliographic record published
20/01/2003
Date abstract record published
20/01/2003