Pulse oximetry (POX) screening for congenital heart defects in newborns

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
What is the diagnostic accuracy for pulse oximetry in screening of asymptomatic newborns before discharge from the well baby nursery and does pulse oximetry screening, alone or in addition to physical examination, lead to increased detection of critical congenital heart disease and reduced mortality and morbidity?

Authors' conclusions
POX screening is a non-invasive method with a good diagnostic accuracy to detect CCHD in asymptomatic newborns before discharge from the well baby nursery. There are still insufficient data to evaluate whether this also will affect mortality and morbidity. The costs associated with an introduction of the method at Sahlgrenska University Hospital are estimated to be around 800,000 SEK during the first year, and thereafter the annual cost will be somewhat lower.

Project page URL
http://www.sahlgrenska.se/sv/SU/Forskning/HTA-centrum/Hogerkolumn-undersidor/Publicerade-rapporter/

Final publication URL

Indexing Status
Subject indexing assigned by CRD

MeSH
Heart Defects, Congenitals; Infant, Newborn; Neonatal Screening; Oximetry

Language Published
English

Country of organisation
Sweden

Address for correspondence
The Regional Health Technology Assessment Centre, Region Vastra Gotaland, HTA-centrum, Roda Straket 8, Sahlgrenska Universitetssjukhuset, 413 45 GOTHENBORG, Sweden Email: hta-centrum@vgregion.se

AccessionNumber
32011001144

Date abstract record published
28/09/2011