

Title	Histidine-tryptophan ketoglutarate (HTK) Solution for Kidney Preservation versus Eurocollins
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Aim

To assess the effectiveness, safety and cost-effectiveness of an HTK solution for use in the medical facilities of the Ministry of Health, Malaysia as kidney preservation and protection solutions before kidney transplantation.

Conclusions and results

Three articles were included and consisted of a systematic review, randomised controlled trial and a non-randomised clinical trial.

The retrieved evidence showed that HTK and Viaspan (UW - University of Wisconsin solution) gave better immediate functionality result. Both UW and HTK have lower rates of delayed graft function (DGF) and lower risk of initial non-function (INF), than Eurocollins solution (EC). The graft survival was also worse for EC than HTK-stored kidneys. EC is no longer the preferred solution for kidney preservation in Europe.

Methods

The electronic databases searched included PubMed/MEDLINE, Cochrane, OVID, INAHTA and also general databases such as Google. In addition, websites for existing HTA agency, society websites and cross-referencing of the articles retrieved was also undertaken.

A critical appraisal of the retrieved papers was performed and the evidence level was graded according to the US/Canadian Preventive Services Task Force Criteria.

Written by

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