

Title	Nanotechnology laser
Agency	MaHTAS, Health Technology Assessment Section Medical Development Division, Ministry of Health Malaysia Level 4, Block E1, Parcel E, Presint 1 Federal Government Administrative Center, 62590 Putrajaya, Malaysia Tel: +603 88831229, Fax: +603 88831230; htamalaysia@moh.gov.my , www.moh.gov.my
Reference	Technology Review Report, 024/2011 online: http://www.moh.gov.my/technology_review/216

Aim

To assess the safety, effectiveness and cost-effectiveness of the nanotechnology laser but not the excimer laser.

Conclusions and results

There was no retrievable evidence on safety, effectiveness and cost-effectiveness of nanotechnology laser.

Recommendations

The use of nanotechnology cannot be recommended for routine use until clinical evidence proves its safety, effectiveness and cost effectiveness

Methods

Electronic databases which include MEDLINE In-Process & Other Non-Indexed Citations; The Cochrane Library including Cochrane Central Register of Controlled Trials and Cochrane Database of Systematic Reviews; Centre for Reviews and Dissemination including Health Technology Assessment Database through Ovid interface; Parallel searches were run in PubMed; Conference proceedings Citation Index (Web of Science); BIOSIS; Current Controlled Trials; Clinical trials.gov; CenterWatch; Horizon Scanning databases (Euroscan, National Horizon Scanning Centre, Australia and New Zealand Horizon Scanning Network), and FDA (Food and Drug Administration), MHRA website, as well as the general search engines, Google and Google Scholar were searched. The distributing company representative was contacted through our local ophthalmologist to provide any available scientific.

All published articles related to safety, effectiveness and cost - effectiveness of nanotechnology laser conducted in humans were included. Retrieved articles were critically appraised and evidence was graded according to US/Canadian Preventive Service Task Force criteria.

Further research/reviews required

More clinical research is warranted.

Written by

LT Sin, MaHTAS, Malaysia