

- Title** Collagen for anti aging treatment, enhance cell regeneration and boosting the immune system
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Aim

To determine evidence on the efficacy/ effectiveness, safety and adverse effect of collagen for anti aging treatment, enhance cell regeneration and boosting of the immune system.

Conclusions and results

There was no retrievable scientific evidence from the journal database on the safety and efficacy /effectiveness and adverse effect of collagen for anti aging treatment, enhance cell regeneration and boosting of the immune system. However, personal communication with Chairman of the Aesthetic Medical Practice Society of anti-Aging, Aesthetic and Regenerative Medicine, Malaysia pointed that a bovine anti-aging injectable collagen was withdrawn from market by US FDA due to its side effect reported when used in human.

Recommendations (if any)

Based on the reviewed, collagen is not recommended for anti- aging, enhance cell regeneration and boost the immune system until new evidence is available.

Methods

Literature was searched through electronic databases which included MEDLINE In-Process & Other Non-Indexed Citation (OVID); PubMed; EBM Reviews, Cochrane database of systematic; EBM Reviews – Health Technology Assessment; NHS economic evaluation database. Searches were also run in the Horizon Scanning database-National Horizon Scanning Centre, Australia and New Zealand Horizon Scanning Network, National Horizon Scanning Birmingham, EuroScan; FDA; MHRA. In addition to the database searches, articles were identified by reviewing the bibliographies of retrieved articles and hand searching of journals.

A combination of both controlled vocabulary, such as the National Library of Medicine's MeSH (Medical Subject Headings), and keywords free text. The search strategies used in MEDLINE were adapted for use in other databases. The search was limited by including search filters for 'human studies'.

Further research/reviews required

Further research regarding effectiveness and safety of using collagen is required as well as strong and high quality scientific evidence on its clinical outcome need to be determined.

Written by

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