

- Title** NOSK Nasal Filter
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[http://www.moh.gov.my/index.php/database\\_stores/store\\_view\\_page/30/243](http://www.moh.gov.my/index.php/database_stores/store_view_page/30/243)

### Aim

To assess the efficacy/ effectiveness, safety, and cost-effectiveness of the NOSK nasal filter for prevention of respiratory problems (such as respiratory disease/ respiratory infection) specifically among pilgrims.

### Conclusions and results

There was no retrievable evidence on the efficacy/ effectiveness of the Nosk nasal filter for prevention of respiratory problems among pilgrims. Nevertheless, there was limited good level but of fair quality evidence available to suggest the effectiveness of nasal filters of other brands in reducing symptoms and improving quality of life of patients with allergic rhinitis. However, the evidence was insufficient in numbers and the sample size in each study was small. Apart from allergic rhinitis, there was no retrievable evidence on the effectiveness of the nasal filters for prevention of other respiratory diseases. The NOSK nasal filter is claimed to have United States Food and Drug Administration (US FDA) approval and approval from Korea Institute of Health and Technology. There was limited evidence to suggest that nasal filters is safe and is associated with only mild adverse events. There was also no study found on the cost-effectiveness of nasal filters.

### Recommendations (if any)

Based on the above review, the use of NOSK nasal filter is recommended for research purpose to provide more quality evidence to support its safety and effectiveness for prevention of respiratory problems. Clinical research is warranted for NOSK nasal filter to be used by pilgrims.

### Methods

Electronic databases were searched through the Ovid interface: Ovid MEDLINE® In-process and other Non-indexed citations and Ovid MEDLINE® 1946 to present, EBM Reviews - Cochrane Central Register of Controlled Trials – July 2014, EBM Reviews - Cochrane Database of Systematic Reviews - 2005 to July 2014, EBM Reviews - Health Technology Assessment - 3<sup>rd</sup> Quarter 2014, EBM Reviews - Database of Abstracts of Reviews of Effects - 3<sup>rd</sup> Quarter 2014, EBM Reviews – NHS Economic Evaluation Database 3<sup>rd</sup> Quarter 2014, Embase – 1988 to 2014 week 32. Searches were also run in PubMed. Google was used to search for additional web-based materials and information. Additional articles were identified from reviewing the references of retrieved

articles. Relevant articles were critically appraised using Critical Appraisal Skills Programme (CASP) and graded according to US/ Canadian Preventive Services Task Force.

### Further research/reviews required

There was limited evidence to suggest that nasal filters is safe and is associated with only mild adverse events. There was also no study found on the cost-effectiveness of nasal filters. In general, more studies involving larger populations and over longer periods of time are required to establish the feasibility of using nasal filters. Specifically, clinical research on the NOSK nasal filter is warranted to provide quality evidence to support the recommendation of its use among pilgrims.

### Written by

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