

- Title** Filterless 5-In-1 Air Purifier/Air Cleaner
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Aim

To determine the safety, efficacy / effectiveness or cost / cost-effectiveness of filterless 5-in-1 air purification/ air cleaning system in hospitals and clinics settings

Conclusions and results

There was no article retrieved from the electronic databases on the efficacy, safety or cost-effectiveness of filterless 5-in-1 air cleaner or air purifier.

Only limited unpublished evidence given by the manufacturer was available. All the studies have no comparison. Nevertheless the studies indicated that the filterless 5-in-1 air cleaner seemed to be effective against fungi, viruses and bacteria. However, emission of ozone by this device is a concern.

Based on the review, the effectiveness of filterless 5-in-1 air purifier system cannot be determined since all the studies included were conducted in non-clinical settings.

Methods

Literature was searched through electronic databases which included Medline, Cochrane Library via Ovid, PubMed and general databases such as Google Scholar.

The search strategy used these terms either singly or in various combinations: Biozone OR air cleaning system OR air purifier OR and filterless photocatalytic air purifier.

No limit was applied during search. The last searched was conducted on 21 May 2012. The search was re-run in December 2012.

Further research/reviews required

More clinical evidence to prove its safety and effectiveness is required before it can be recommended for use in Ministry of Health hospitals and clinics.

Written by

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