

Review Group Membership

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Disclaimer:

Technology review is a brief report, prepared on an urgent basis, which draws on restricted reviews from analysis of pertinent literature, on expert opinion and / or regulatory status where appropriate. It is subjected to an external review process. While effort has been made to do so, this document may not fully reflect all scientific research available. Additionally, other relevant scientific findings may have been reported since completion of this review.

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Introduction

██████████ is the top consumer and household electronics company in Korea since 1989, and was introduced to the Malaysian market in 2006. The company has extended its product line-up from water filtration appliances to air purifiers, bidets, water softeners and food waste disposers. ██████████ air purifier system is claimed to be the best and most advanced air purifier in the market using modern technology and excellent designs. The purification technique used in the ██████████ air purifier is high efficiency particulate air (HEPA) filtration.

Objective/Aim

The objective of this technology review was to assess the safety, effectiveness and cost-effectiveness of ██████████ air purifier system when used in clinical settings to improve indoor air quality.

Results and Conclusions

There was no retrievable information on US FDA approval or CE mark for ██████████ air purifier system. There was also no retrievable evidence on the adverse events related to the use of this product from the available scientific databases. There was no retrievable evidence on the effectiveness and cost-effectiveness of ██████████ air purifier system although it used HEPA filter technology. However, the company claimed that the cost for ██████████ air purifier system is approximately between RM ██████████ to RM ██████████ depending on product range.

Methods

Electronic databases were searched, which included PubMed, Medline, Journal @ Ovid full text via OVID, OVID EBM Reviews - Cochrane central register of controlled trials, EBM Reviews - Cochrane database of systematic review, Horizon scanning databases - Centre, Birmingham, Australia and New Zealand Horizon scanning (ANZHSN), FDA website, MHRA website and from non scientific database - Google search engine. In addition, a cross-referencing of the articles retrieved was also carried out accordingly to the topic. Relevant articles were critically appraised and evidence graded using US / Canadian Preventive Services Task Force.