

- Title** VNUS® Radiofrequency Ablation (RFA) for Varicose Vein
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- Reference** Technology Review Report 19/2012, online:  
[http://www.moh.gov.my/index.php/database\\_stores/store\\_view\\_page/30/196](http://www.moh.gov.my/index.php/database_stores/store_view_page/30/196)

### Aim

To review evidence on the safety, efficacy/effectiveness and cost-effectiveness of using VNUS® radiofrequency ablation (RFA) compared with the conventional surgical or other endovenous techniques in the treatment of patients with varicose vein.

### Conclusions and results

There was good to fair level of retrievable evidence to indicate that the VNUS® radiofrequency ablation (RFA) was effective in the treatment of patients with varicose vein. Findings indicated that patients who underwent the Closure™ procedure were associated with a faster recovery and less postoperative pain. Patients resumed normal activities within one day or two, and returned to work more than a week earlier. Patient satisfaction, quality of life improvement, and analgesic requirements significantly favoured RFA treatment. There was also evidence to suggest that VNUS® radiofrequency ablation (RFA), performed under local/tumescent anaesthesia in an outpatient or office-based setting, was likely to be a cost-effective and reasonable strategy for the treatment of primary vein great saphenous vein (GSV) reflux.

### Recommendations

VNUS® radiofrequency ablation (RFA) also called the Closure™ procedure can be used as alternative for conventional surgical or other endovenous techniques in the treatment of patients with varicose vein

### Methods

Literatures were searched through electronic databases specifically PubMed, Medline, Cochrane, Ovid, Horizon scanning databases, other websites; US FDA, MHRA 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

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