

ABSTRACT

The ‘Super Glue’: Successful Use of VenaSeal Closure System for the Treatment of Varicose Vein in Sabah

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Introduction: The VenaSeal closure system is a non-thermal, non-tumescent, non-sclerosant procedure which is the latest innovation with the use of cyanoacrylate closure, to treat symptomatic venous reflux disease in the lower extremity superficial venous system. This method of treatment has been provided by vascular services in Sabah since the year 2017. The main objective is to analyse the effectiveness and outcome of this method and to study the complications arising from this treatment. **Methods:** Patients were screened to have venous reflux disease by ultrasound duplex and graded bases on Clinical Etiological Anatomical Pathological classification. A total of 67 patients (37 male, 30 female) from 4 different centres at Sabah both private and public medical centres are involved in this study. The mean age of this group is 37 (30 – 76). 33.3% of these patients had disease over the bilateral lower limb, 30.5% over the left side and 36.2% over the right side. **Results:** The main outcome of this data is the technical success which is the obliteration of the targeted vein (Great saphenous vein and small saphenous vein) which was 98.5%. The improvement of signs and symptoms such as pain, oedema and healing of ulcer based on CEAP grading was 100%. Complications that were analysed are deep vein thrombosis (0%), allergic thrombophlebitis (5%) and GSV thrombosis (2.98%). **Conclusion:** The Venaseal closure System is a safe and effective modality in treating venous reflux disease.

