

Abstract

Complications of Haemodialysis Arteriovenous Fistula amongst Malaysians

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Introduction:

The prevalence of complications of haemodialysis access amongst Malaysian patients has not been widely addressed. Stature and vessel size amongst Malaysians, are generally smaller than that of the Caucasian. The prevalence of complications may differ. A review was undertaken to evaluate complications.

Patients & Methods:

Dissertations on different cohorts of patients undergoing followup after haemodialysis access construction was reviewed to study complications. Data for the dissertations were collected by interview and examination at follow up clinic during 4 separate periods in 2007, 2008, 2011 and 2011.

Results:

Four dissertations were evaluated. The number of patients included in the cohorts were 285, 285, 137 and 136.

Data collection was undertaken during separate periods in the years, 2007, 2009, 2011 and 2011 respectively.

Thrombosis occurred in 2.4%, 2.8% and 19%.

Arterial steal was found in 2.4%, 2.8% and 2.9%.

Venous hypertension was found in 1.5%, 2.9%, 5.1% and 5.2%.

Access aneurysms occurred in 0.7%, 1.0%, 5.4% and 11.7%.

Discussion and Conclusion:

The spectrum and prevalence of complications were largely similar to that of patient cohorts reported in the literature.