

**Abstract****Conventional Balloon Venoplasty: Technical Challenges to Meet**

Rohsila M<sup>1</sup>, Redzuan IM<sup>2</sup>, Zahiah M<sup>2</sup>, Sobri MA<sup>2</sup>, Rozman Z<sup>2</sup>

<sup>1</sup>Department of Radiology, School of Medical Sciences, Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia.

<sup>2</sup>Department of Radiology, Medical Faculty, Universiti Kebangsaan Malaysia Medical Centre, Kuala Lumpur, Malaysia.

Arteriovenous fistula for hemodialysis is a 'life-line' for an end stage renal failure patient. Stenosis usually occurs along the venous limb of the fistula or involving the brachiocephalic vein centrally<sup>1</sup>. Percutaneous venoplasty is becoming an important method of assisting maturing fistula as well as treating problematic matured fistula. It is proven that, the interventional radiologist is able to salvage non-maturing hemodialysis access fistulae with initial clinical success of 88% and secondary patency rates of 79%<sup>2</sup>. Challenges of performing the procedures and some technical considerations are presented for education purposes.