Conventional Balloon Venoplasty: Technical Challenges to Meet

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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. 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% 2. Challenges of performing the procedures and some technical considerations are presented for education purposes.