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Stenosed Dialysis Fistula: Made functional by Drug Eluting Balloon Angioplasty

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A 69 year old man with stage V chronic kidney disease on maintenance haemodialysis presented with a partially blocked fistula preventing hemodialysis 6 weeks after surgery,

Angiogram showed severe stenosis at the junction of radial artery with adjoining vein preventing a free flow. Hemodialysis was no longer possible using this route (Figure A).

Patient was subjected to a balloon dilatation and finally a drug eluting balloon was used to deliver paclitaxel (4 X 28 MMS, B Braun, Sequent Please) (Figure B).

The flow was immediately restored with no residual stenosis (Figure C).

Patient has been having trouble free hemodialysis subsequently. The follow up has been more than 10 months now.

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