Acute Thrombosis of Arterio-Venous Fistula (AVF) salvaged by Pharmaco-mechanical management by Alteplase: A thrilling episode!

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I do not have any potential conflict of interest
Introduction

• The thrombosis of hemodialysis fistula or graft, is an acute event that can interrupt dialysis treatment and it may be considered a clinical emergency.

• Prompt clinical recognition and timely management is necessary to restore access patency.
• A 30 year old female with end stage renal disease (ESRD), on regular twice a week hemodialysis for 6 month duration came with complaints of sudden onset pain and swelling of left upper limb on the day following her regular hemodialysis session.

• Clinically, there was tenderness and absence of thrill over the left radio-cephalic fistula. Ultrasound doppler revealed presence of thrombus at anastomotic site with no blood flow.
Venogram
Conclusion

• The goal to treat thrombosed dialysis fistula is restoration and maintenance of the access function as long as possible.

• Pharmaco-mechanical catheter directed thrombolysis is a minimally invasive procedure with rapid lysis and high procedural success and patency rate and no major complications.

• Specialised infusion catheter (EKOS Endowave) are available however, in our setup locally fashioned multiside hole MPA catheter are equally successful.
Thank You
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