

## Increased use of devices for clot removal

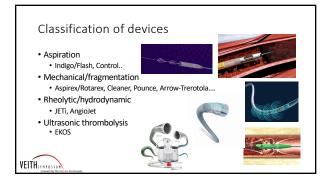
- Less invasive as compared to open surgery
- Like surgery able to restore flow immediately (unlike catheterdirected thrombolysis)
- Thrombolysis: time-consuming, requires ICU stay, not in Rutherford category I and IIB (ESVS guidelines 2017)
- However lack of recent comparative data/RCT's

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## Explosion of devices on the market

- EVToday European device guide 9 manufacturers with > 15 different devices
- EVToday US device guide • 13 manufacturers with > 25 devices





Device	Speed	Acute kidney injury	Need for adjunct procedures	Distal embolization
Vacuum assisted thrombectomy	±	-	+	±
Hydrolytic thrombectomy	±	-	+	±
Rheolytic PMT	±	+	+	±
Aspiration thrombectomy	+	-	+	±
Mechanical thrombectomy	+	-	+	±
US enhanced lysis	-		+	±
			Ascher E et al J Vasc Surg 2021;73:950-959 Acosta S et al Ann Vasc Surg 2023;94:253-825 Maidonado T s et al J Vasc Surg 2023;97:854-92 Cham teddim H et al J Vasc Surg 2024;79:854-92 Cham teddim H et al J Vasc Surg 2024;79:854-92 Meiller S, et al. Biomed Res Int 2017;2017;23257 Pe Donato E et al. EVF2 2021;61:320-828	

## How to choose?

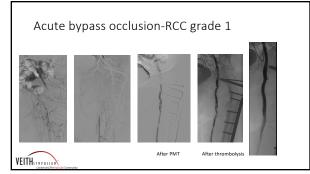
- Clinical presentation
- Etiology

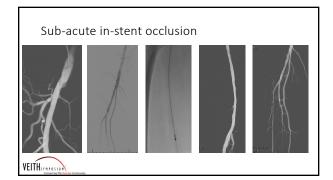
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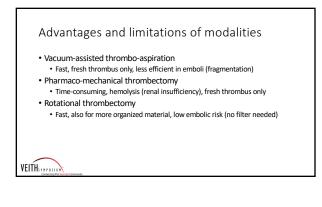
- Severity of ischemia
- (personal preference and availability)

Fresh thrombusImage: Image: Im

Bilateral embolus in popliteal arteryImage: State of the state







## Conclusion

- Various options for treatment of acute limb ischemia exist
- Choice should be based on clinical presentation, grade of ischemia and etiology

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