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# Will extra-long stents be a solution for long SFA disease?

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# What do you prefer?





# Results of stents in SFA

## Stent

Stenosis throughout the stent

Kinks

Breaks

## Bypass

Stenosis at the anastomosis

Straight tube

Does not break any more



# Patency

Nitinol stents After 1 year, revascularization was performed in 6 patients (18.8%).

Primary patency was 81.3%

secondary patency rates 94%



## Patency above knee

	Patency 1 year	Patency 3 years	Patency 5 years
Vein	93	83	75
PTFE	79	66	58-46
Stent	62-88	60	?
Stentgraft	65-81	55-71	55
PTA	40-58		



# Stent fractures

Fracture of self-expanding nitinol stents stressed in vitro under simulated intravascular conditions.

Nikanorov A, Smouse HB, Osman K, Bialas M, Shrivastava S, Schwartz LB.

JVS 2008



## Stent fracture

Chronic 5% axial compression resulted in high rates of fracture of

Luminexx	80%
LifeStent FlexStar	50%,
Absolute	3%
Protégé EverFlex	0%
S.M.A.R.T. Control	0%



# Bending

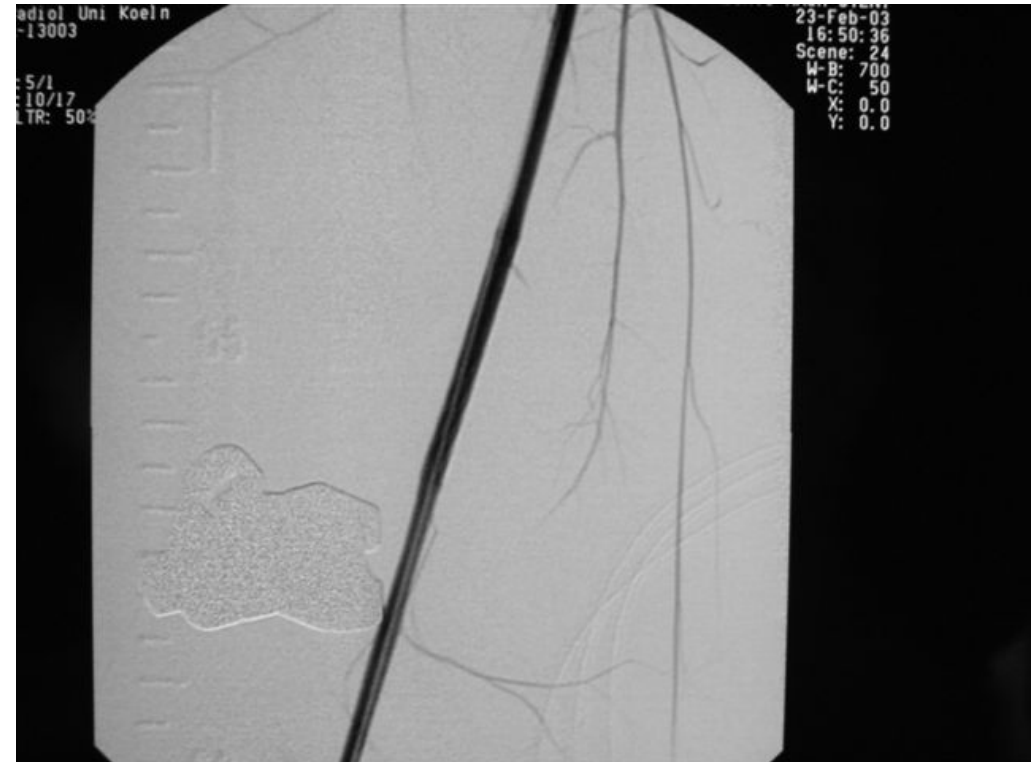
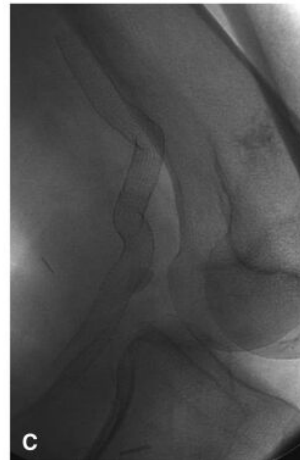
Chronic 48 degrees bending deformation resulted in high rates of fracture in

Protégé EverFlex	100%
S.M.A.R.T. Control	100%
Luminexx stents	100%





# Stentgrafts





## EBI, Restenosis and stents in SFA

After 6 months stenosis greater or equal than 70%

EBI group	30%
control group	66.7%

The irradiated patients had re-stenosis at the stent ends, while the non-irradiated had re-stenosis at the stent ends and the lumen



**Blocked road please turn around  
and take another route!**





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Thank you very much for your attention!

