

Is it safe and efficient to treat the small saphenous vein by surgery ?

**Controversies & Updates in Vascular Surgery
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Safe ?

1/ According to carry out the operation in ambulatory setting under TLA without any sedation

Prospective study

215 Varicose veins surgery

including

15 Strippings the SSV

TLA without any sedation

Creton D et al. Evaluation of pain in varicose vein surgery under TLA using sodium bicarbonate as excipient without any intravenous sedation. *Phlebology* 2011 Nov 21. [Epub ahead of print]

Duration of the operation : 30 mn

Number of incisions : 15

Painkiller pills : 30%

No Sickleave : 50%

Sickleave 8 days : 50%

Safe ?

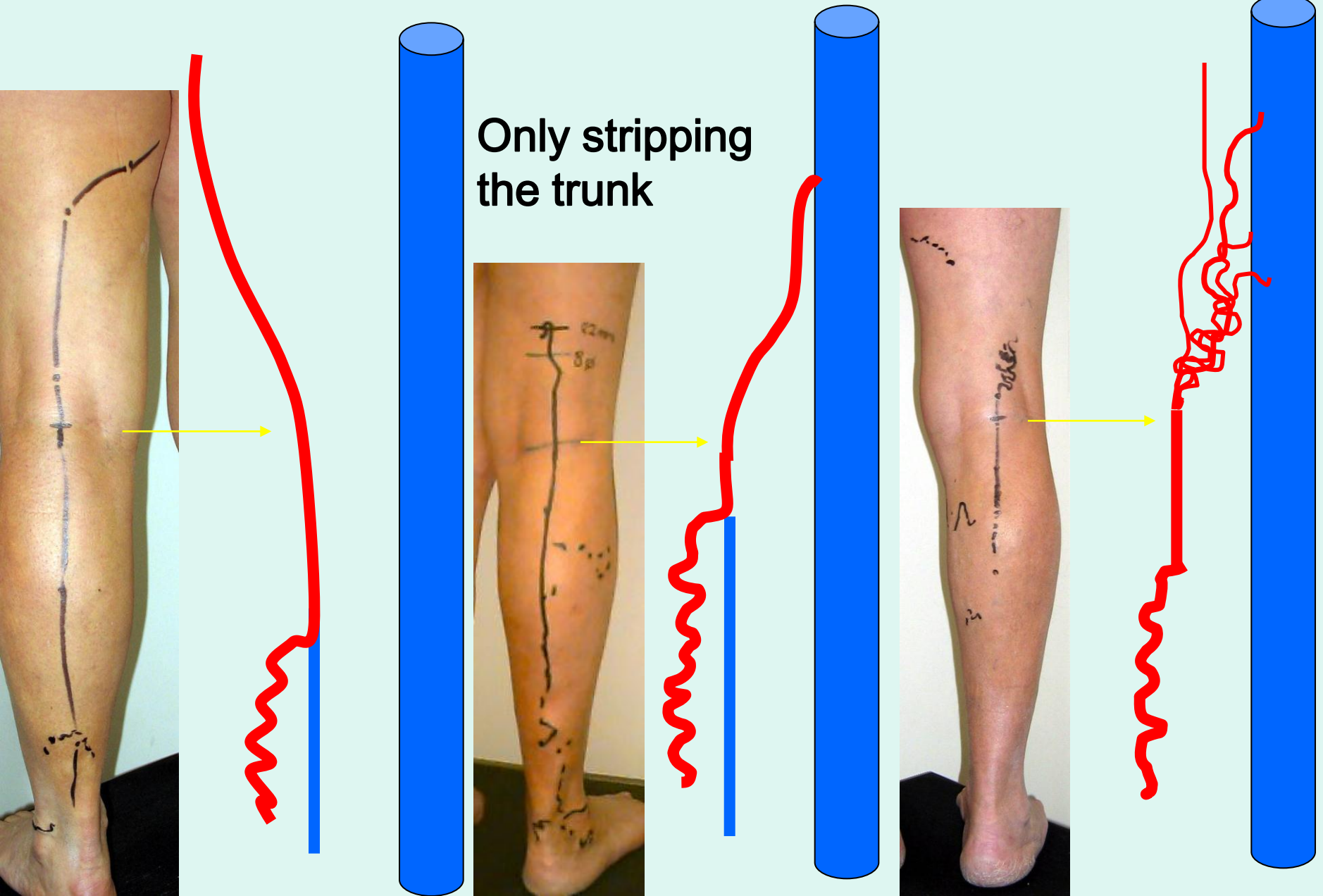
2/ Flush ligation is not always necessary

No high ligation !



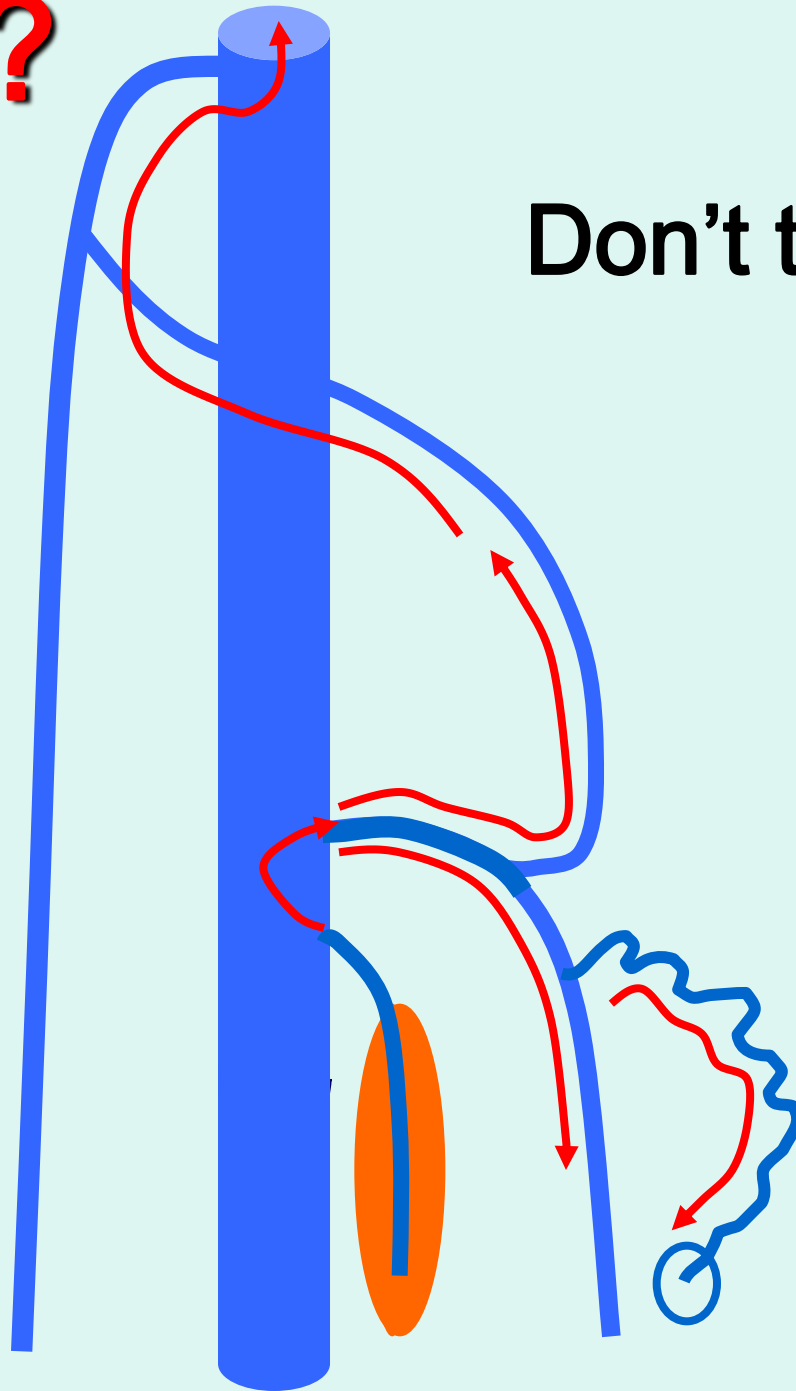
Safe ?

No SPJ



Safe ?

Don't touch the SPJ



Only stripping
the trunk
is needed

Safe ?

« systolo-diastolic antegrade reflux »

- No ablation of the SPJ
- Ablation of descending tributaries (retrograde flux)
- Preservation of ascending tributaries (anterograde flux)

7-10%

Cavezzi A et al. *Phlebologie* 2002;55:309-16

Escribano JM et al. *Eur J Vasc Endovasc Surg* 2005;30:96-101

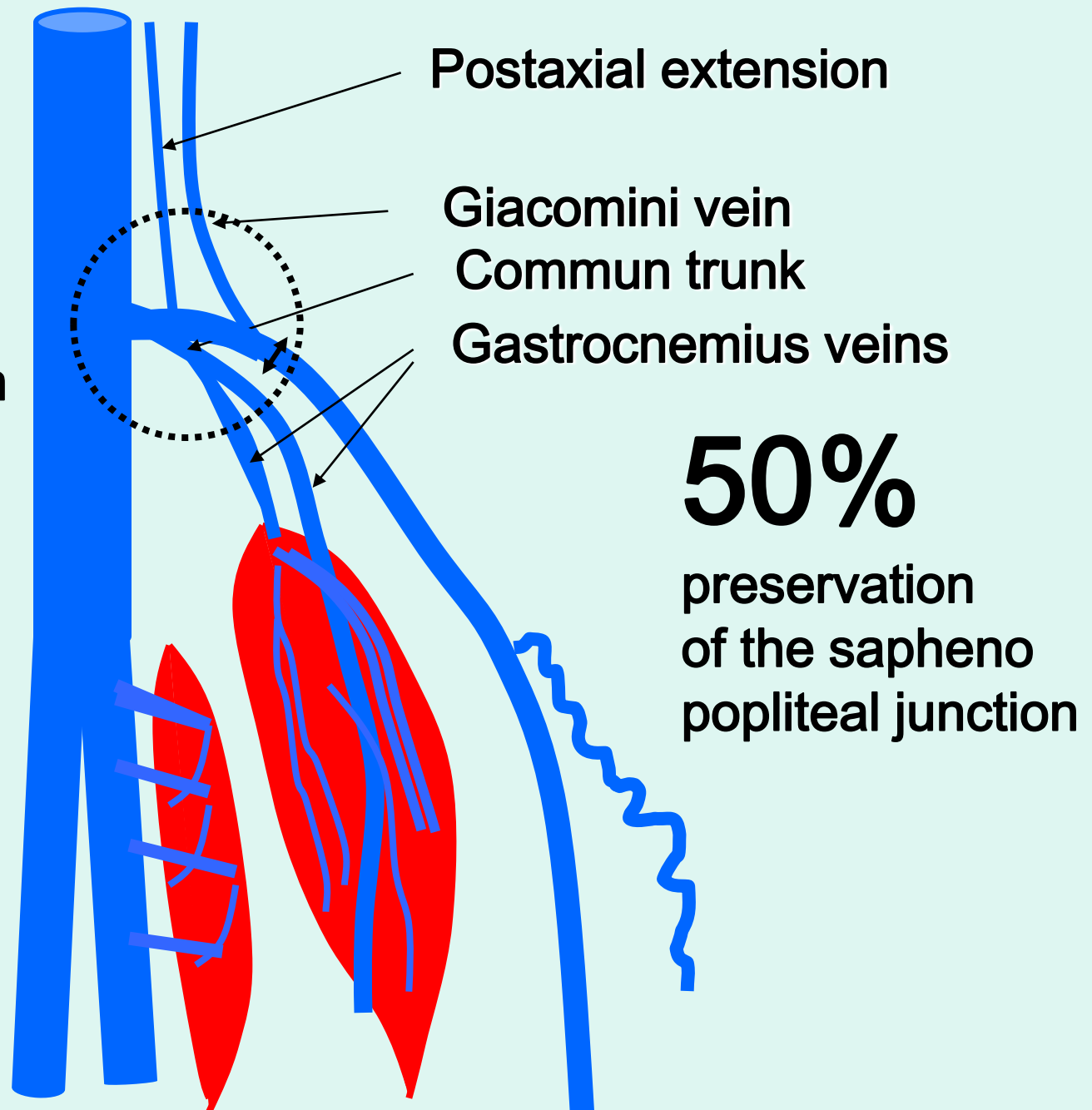
Cappelli M et al. *Veins and Lymphatics* 2012;1:e7 doi:10.4081/vl.2012.e7

Safe ?

112 SSV surgery
(2011-12)

55 strippings with
flush ligation

37 EVT
20 strippings
without flush
ligation



Safe ?

3/ Complete stripping not always necessary

Among 75 Strippings the SSV

16 successive months 2011/12

4%



3

5%



4

62%



47

28%

90%



21

Safe ?

4/ Pin stripping complication?

Among 75 Strippings the SSV 16 successive months 2011/12



2

10%



5

Passage pin stripper impossible / Rupture of the trunk

Safe ?

5/ lower DVT risk

Stripping

On 788 prospectively patients operated on (GA) with LMWH, no thrombosis was found on postoperative DU routine examination. (Only eight muscular vein thromboses were found).

Except obesity, elderly patient, thrombotic history, contraceptive Pills LMWH is not needed

Moreau P, et le groupe ARCHIV Congrès annuel de la Société Française de Chirurgie Vasculaire. Nimes – juin 2010

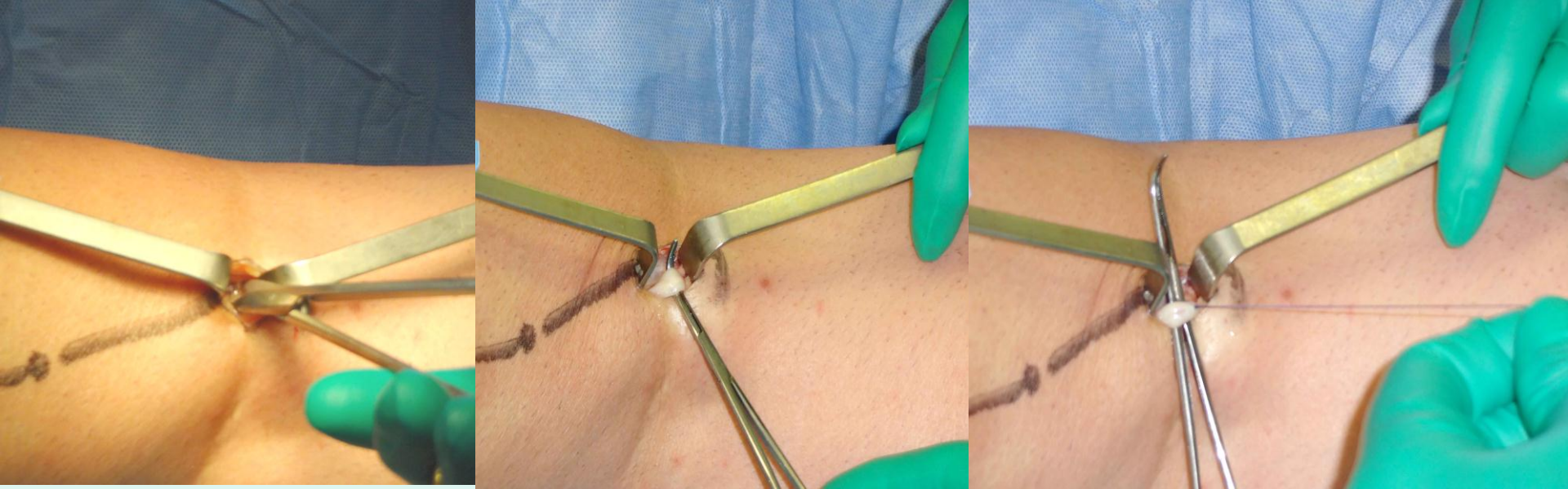
Safe ?

EVT

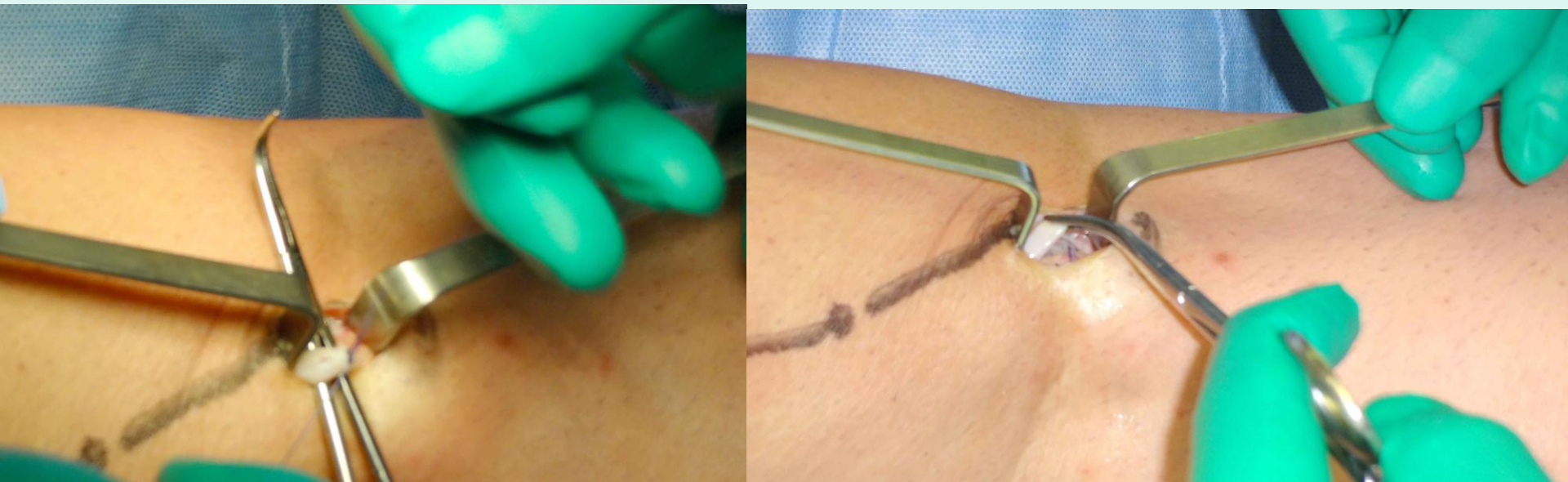
Thrombotic EVT complications amount to less than 1% of cases

To prevent postoperative extension thrombotic routine DU is needed

Van den Bos R, et Al. *J Vasc Surg* 2009; 49: 230-9



Ligation of the saphenous trunk





**Passage of the Pin stripper
Tumescent local anesthesia
Passage of the thread**





Stripping..suture of the skin..stand up...return home..
Seak leave : one day..1 month FU



Efficient ?

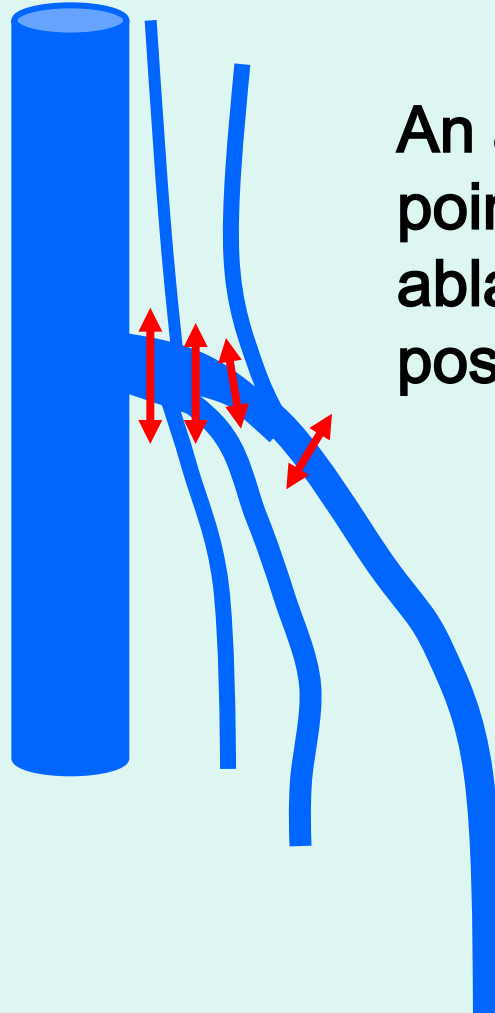
1/ Stripping is 100% efficient

EVT ablation is 96%, 98% efficient

Efficient ?

2/ An accurate starting

This precision is impossible to obtain with EVT



An accurate starting point of trunkal ablation is only possible with the stripping

Conclusion

Safe?

YES

Quick easy simple operation

Without postoperative risks

Nondisabling

Without sickleave

Conclusion

Efficient ?

Of course

More efficient

Faculty Disclosure

Denis Creton

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COVIDIEN