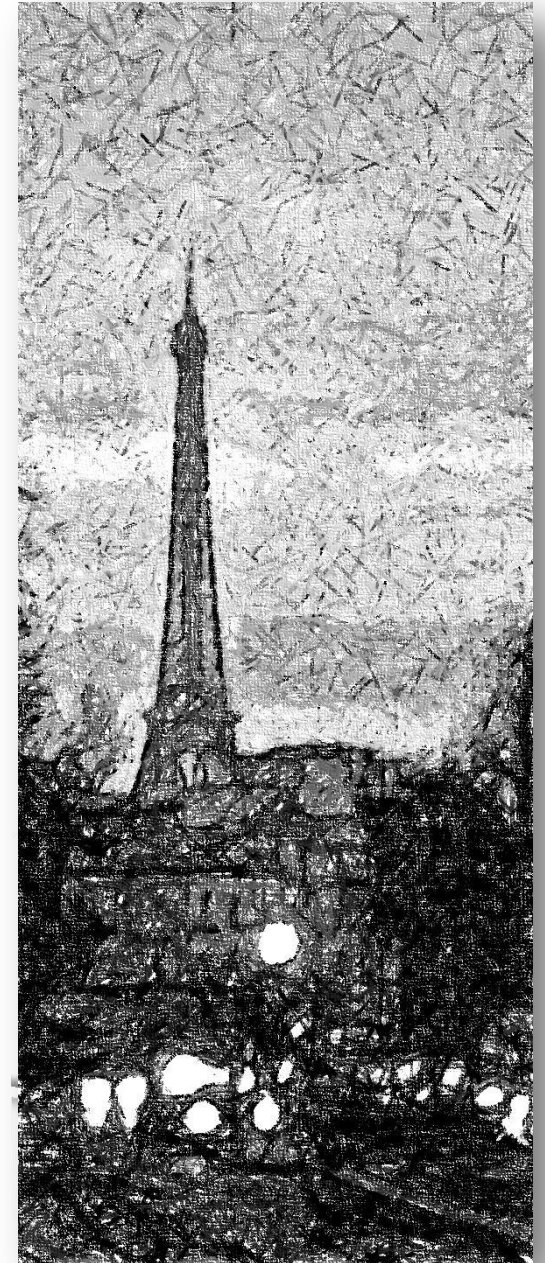


Controversies & updates in Vascular Surgery

January 17 – 19 2013



Atypical varicose veins from gluteal source

**Etiopathogeny and how to point
them out ?**

Philippe Lemasle

Milka Greiner

Atypical varicose veins from **inferior** gluteal source

Etiopathogeny and how to point
them out ?

Philippe Lemasle

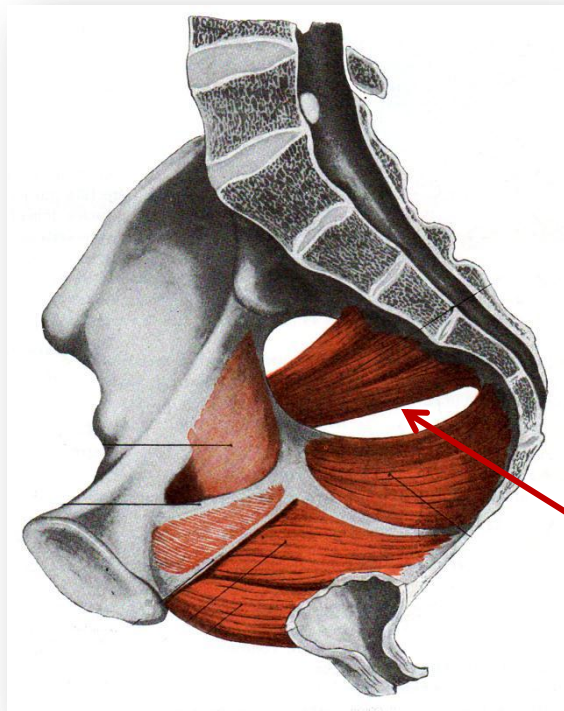
Milka Greiner

no financial relationships to disclose

Etiopathogeny

An incompetence of the inferior gluteal vein can be recognized by :

- **its tributaries**, definitive deep veins, with or without valves, but incompetent
 - **gluteal varicose veins**
 - **vv around & in the sheath of sciatic nerve**
- **persistent embryonic veins**, always valveless
 - **persistent sciatic vein**
 - **persistent lateral marginal vein**



**draining
vein point**

INTERNAL ILIAC V.

INF. GLUTEAL V.

**INFERIOR
INT. tributaries**

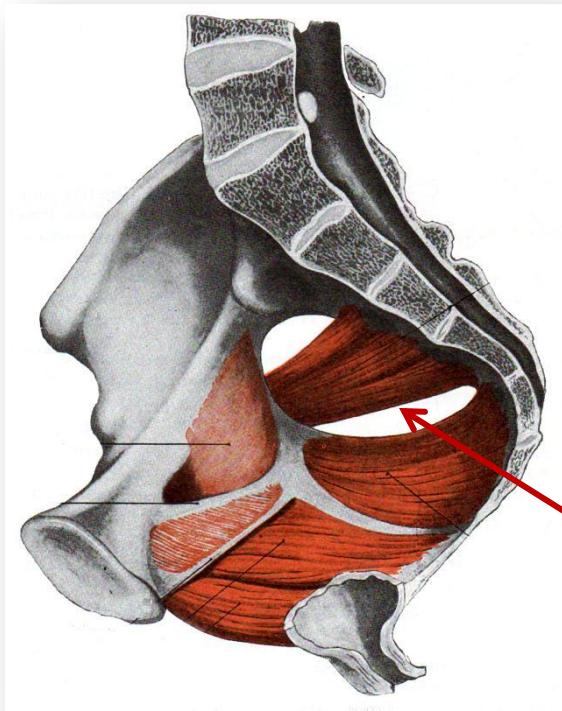
**INFERIOR
EXT. tributaries**

**draining
thigh muscle**

**draining
great gluteal m.**

**DEEP
tributaries**

**satellite v. of
the sciatic nerve**



INTERNAL ILIAC V.

**leakage
point**

INF. GLUTEAL V.

**satellite v. of
the sciatic nerve**

**DEEP
tributaries**

**INFERIOR
INT. tributaries**

**INFERIOR
EXT. tributaries**

**VV around & in
the sheath of
sciatic n.**

**gluteal & thigh
varicose veins**

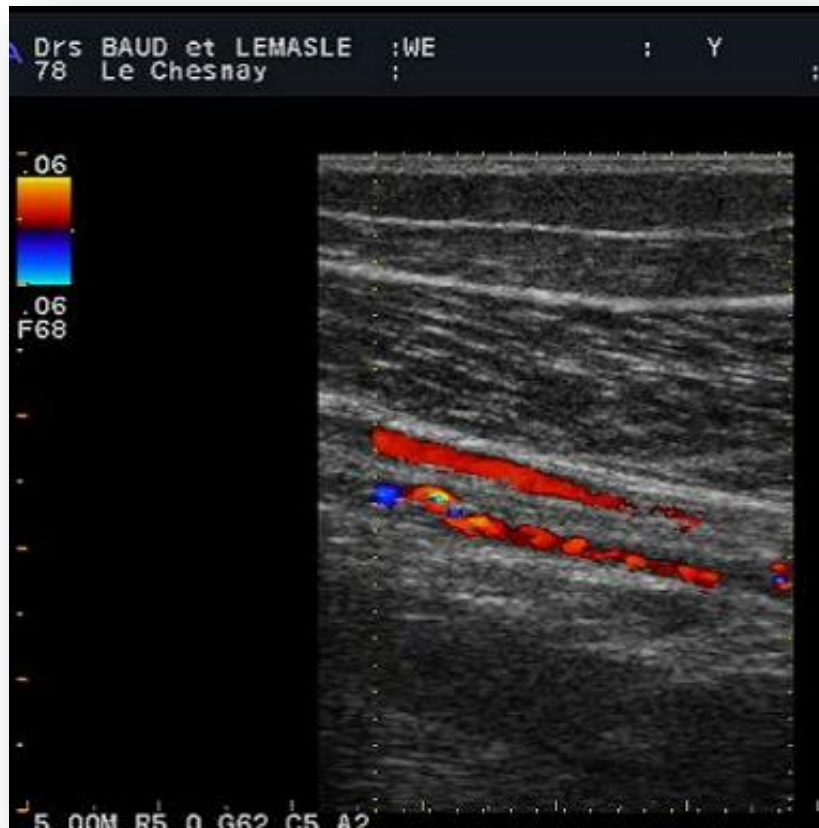
**draining
thigh muscle**

**draining
great gluteal m.**

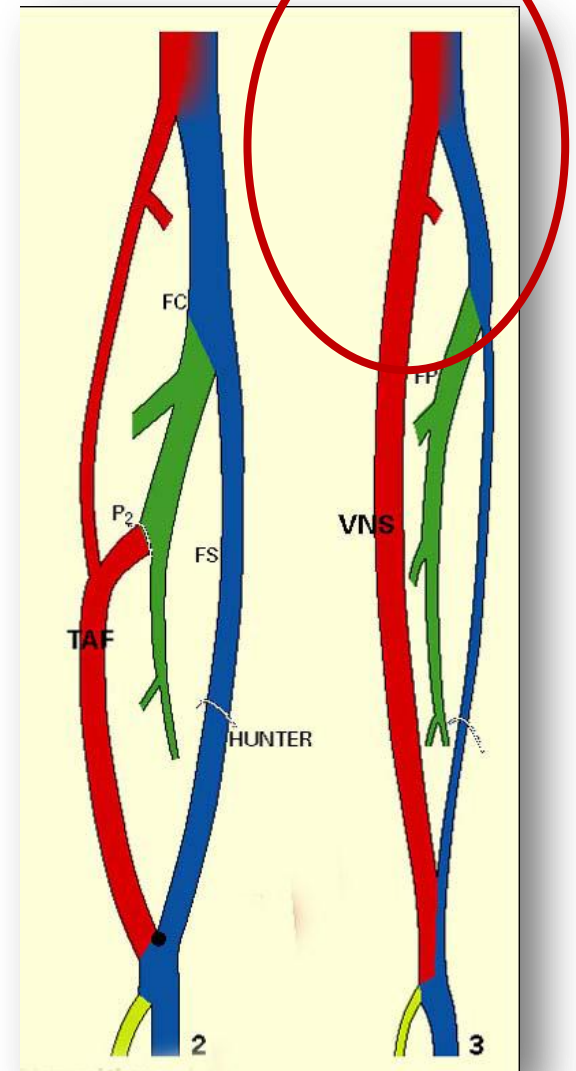
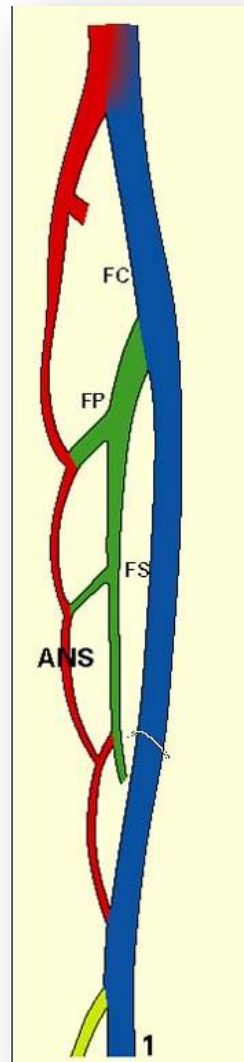
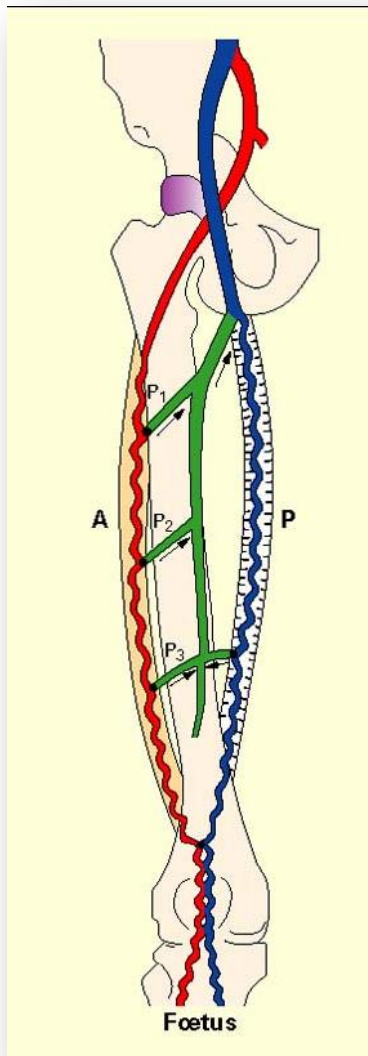
Gluteal varicose veins



VV around & in the sheath of sciatic n.



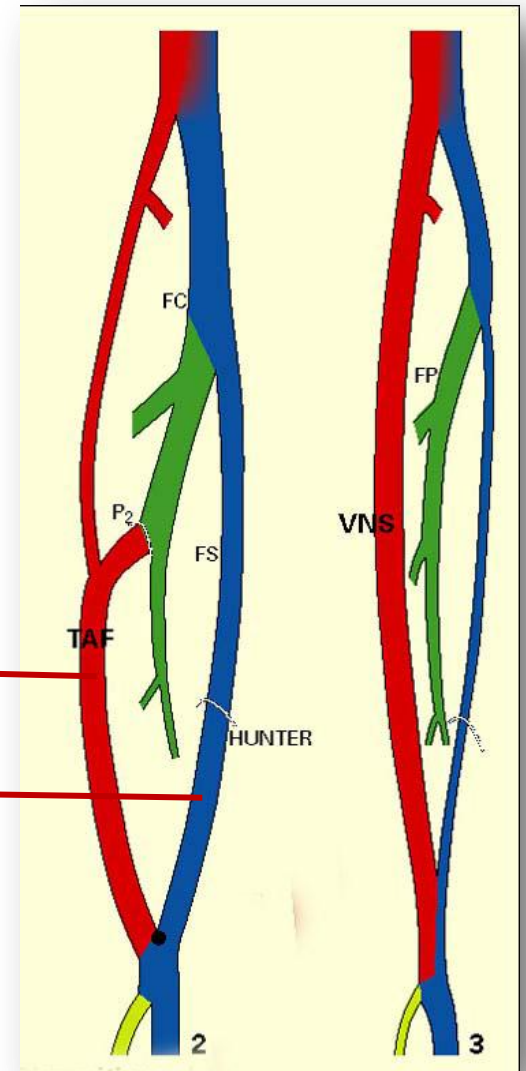
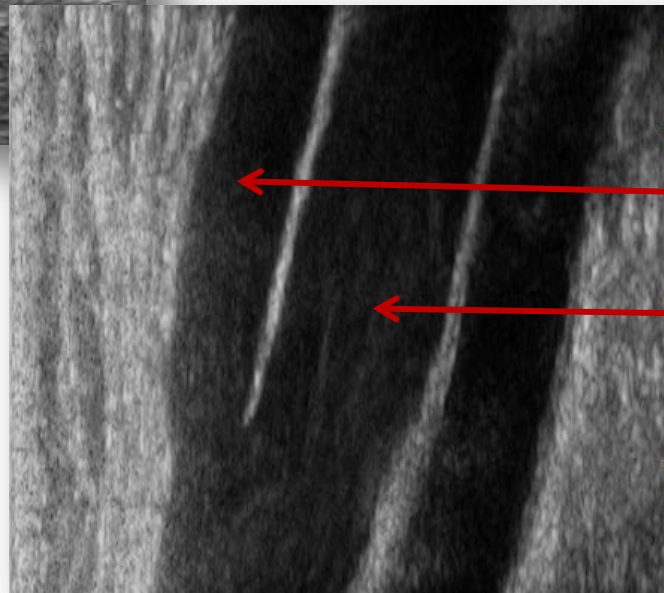
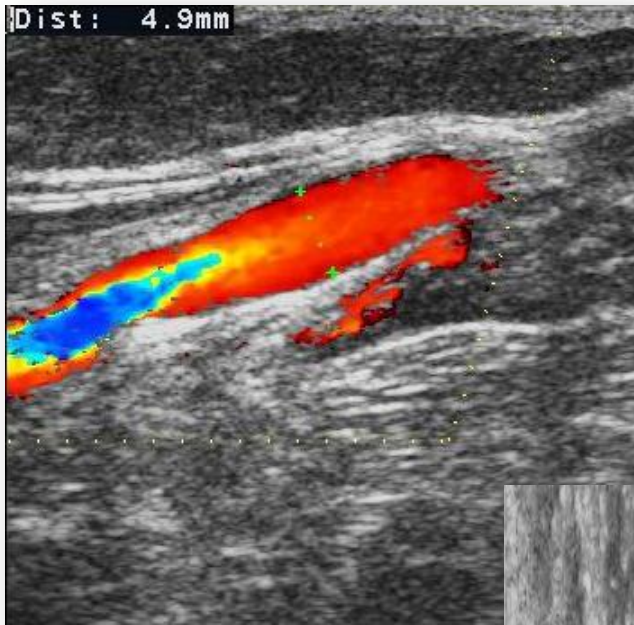
Persistent sciatic vein



definitive deep veins

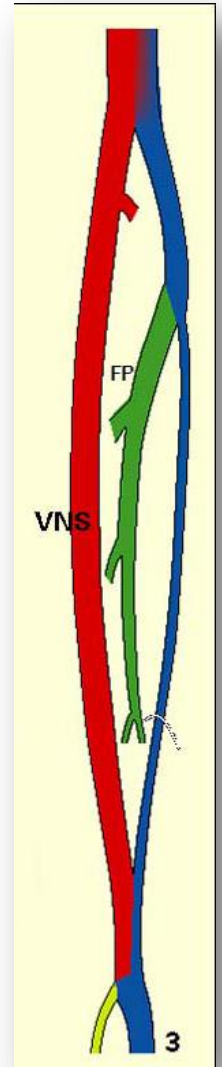
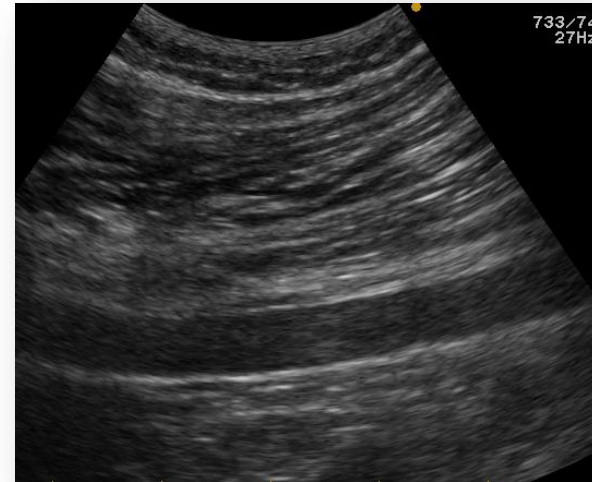
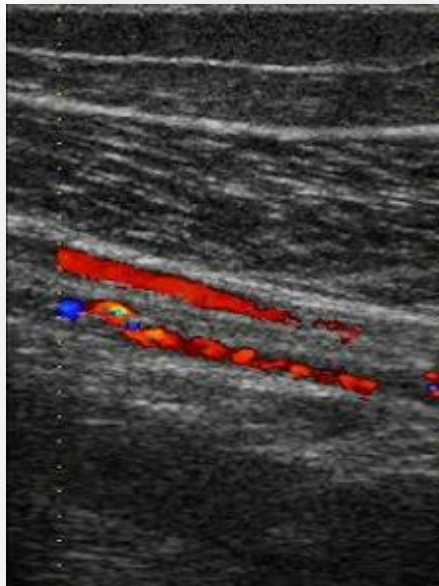
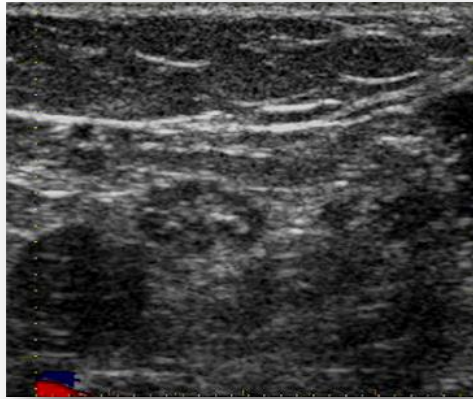
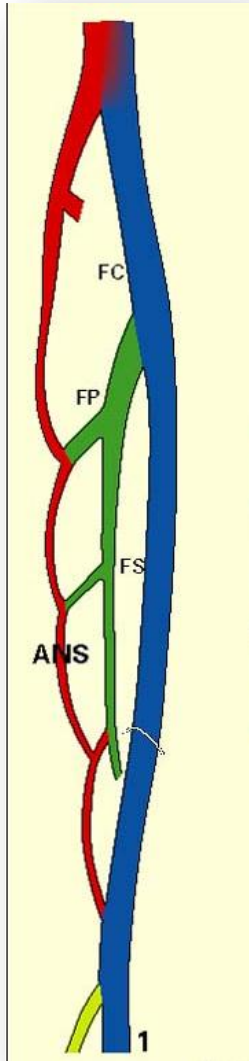
remnant embryonic vessels

Persistent sciatic vein



remnant embryonic vessels

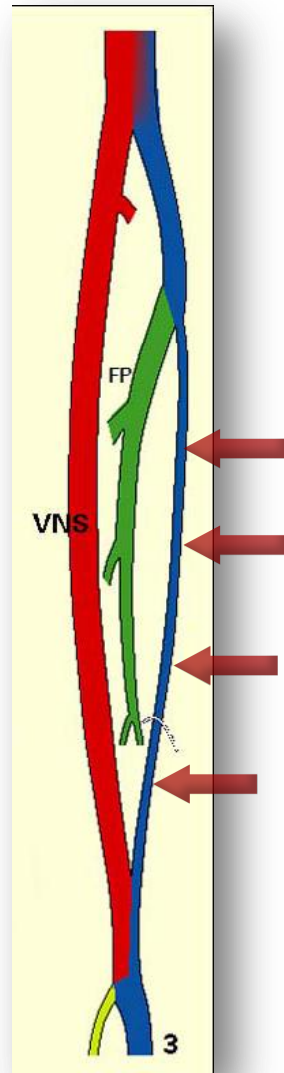
Persistent sciatic vein



Persistent sciatic vein

Be careful !!

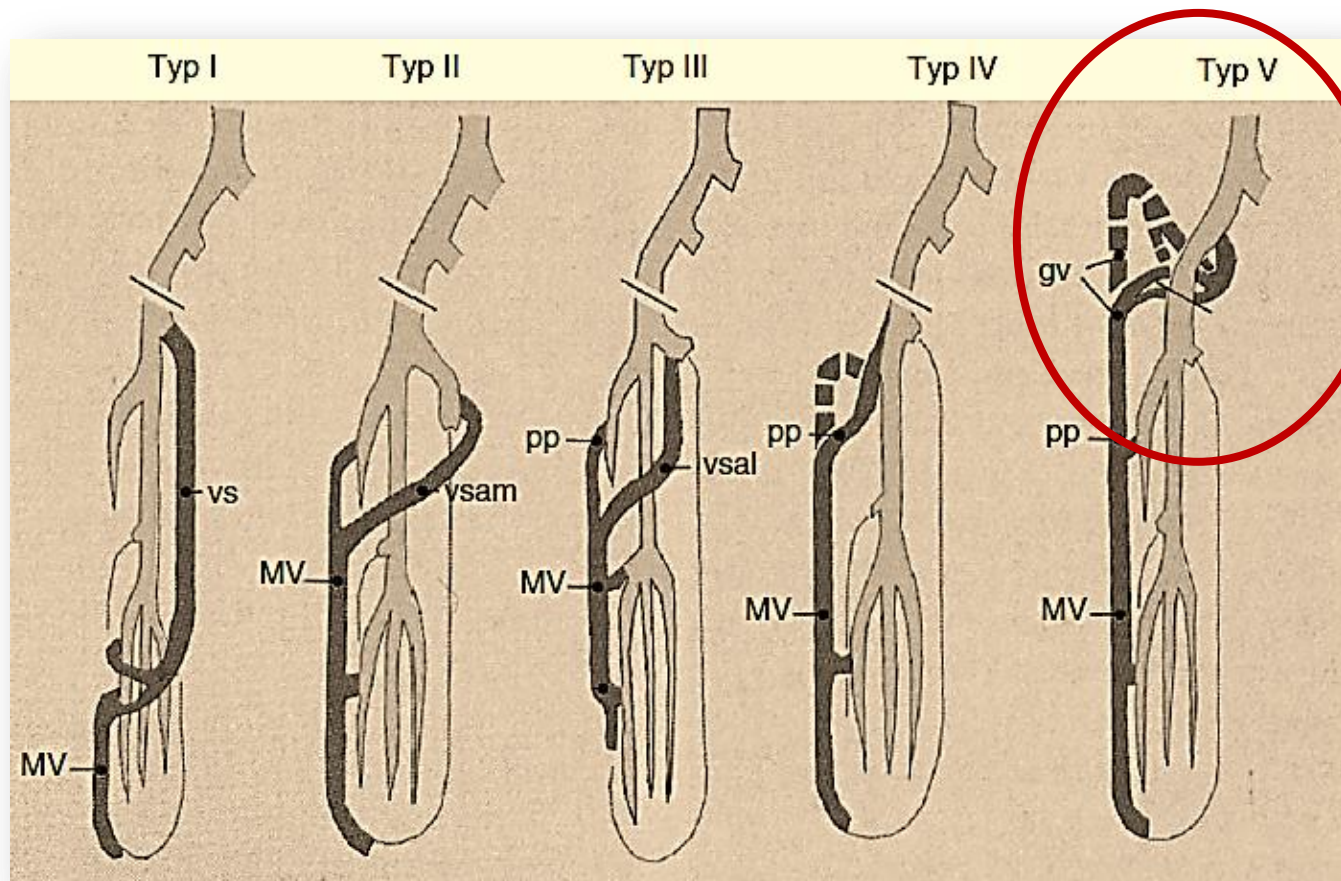
a congenital hypoplasia or agenesis of the femoral vein is possible



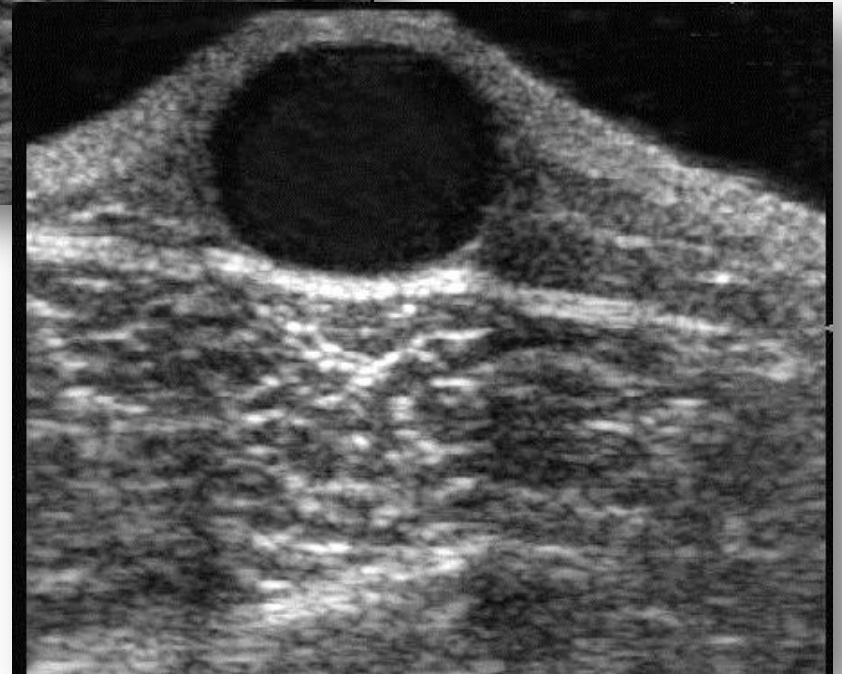
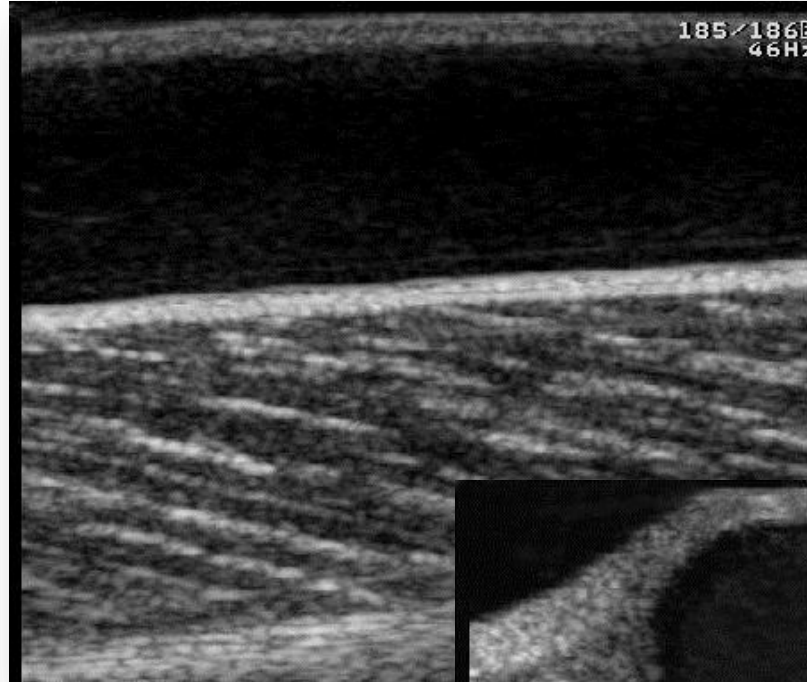
Persistent lateral marginal vein

= persistence of the primitive fibular vein, tributary of the posterior cardinal vein

Classification of WEBER (1997)



Persistent lateral marginal vein



Persistent lateral marginal vein



type 4 of Weber



Be careful !!

a congenital hypoplasia
or agenesis
of the deep veins, is possible

Conclusion

An incompetence of the inferior gluteal vein can supply :

- **its tributaries** : (incompetent definitive deep v.)
 - **gluteal varicose veins**
 - **satellic veins of the sciatic nerve**, around and in the sheath
- **persistent embryonic veins**
 - **persistent sciatic vein**
 - **persistent lateral marginal vein**

Conclusion

- The positive diagnosis of the atypical varicose veins is provided by a simple **medical examination** and the **duplex scan**.
- Just **selectiv pelvic phlebography** can realize and understand the whole reflux mapping.
But it has to keep a pre-therapeutic exam.

