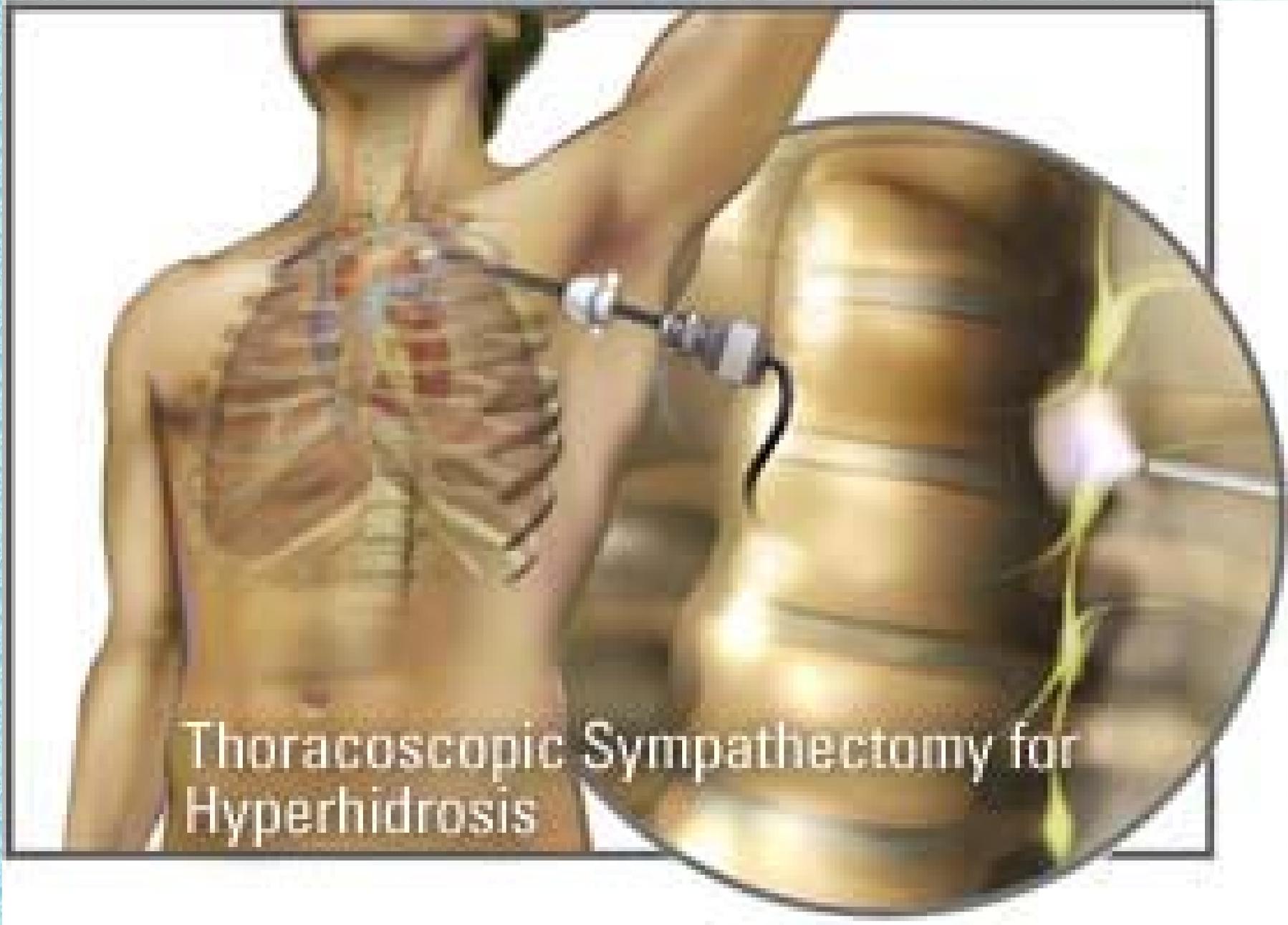




*Prof. Edoardo Raposio*

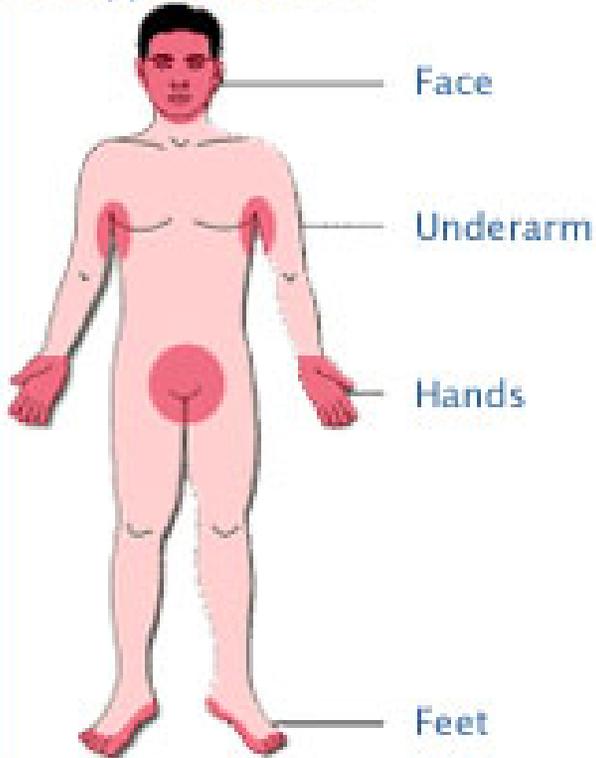
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E Plastica**



Thoracoscopic Sympathectomy for Hyperhidrosis

- Iperidrosi primaria idiopatica
- Iperidrosi secondaria:  
menopausa, ipertiroidismo,  
feocromocitoma, diabete mellito,  
ipoglicemia, m. di Hodgkin, tubercolosi

## Classic Locations of Hyperhidrosis



# Test di Minor

20 g di Iodio in 100 g olio di castoro + 900 g  
alcool etilico

Betadine + polvere di amido di riso









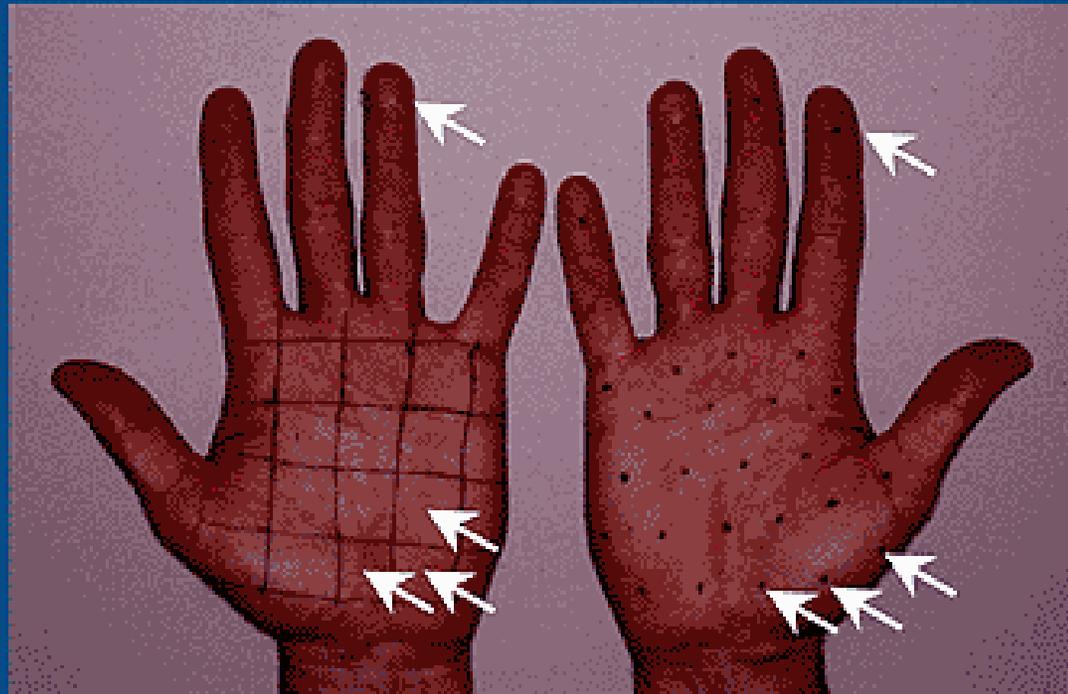


# Local suction - Curettage





# **BOTOX: Palmar Hyperhidrosis: Technique**



**squares of 1.5 x 1.5 cm or injections at multiple sites,  
evenly distributed**



# Preparazione



- **Diluizione con 5 ml soluzione fisiologica sterile**
- **Suddivisione in n.5 siringhe da insulina con ago 30G**
- **20 U ogni siringa = 2 U ogni 0,1 ml**

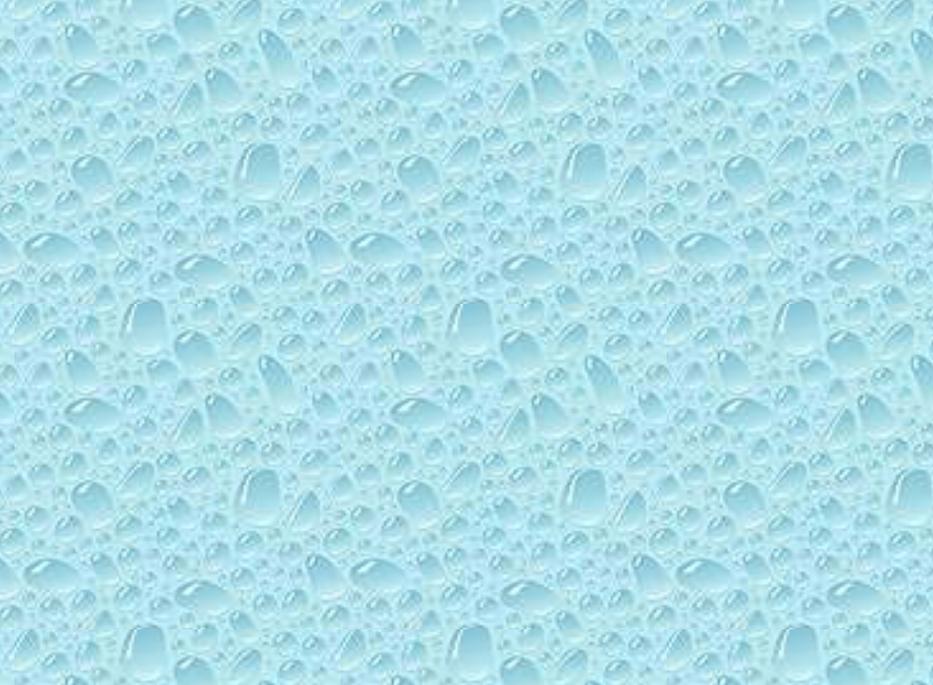




**Are quadrate di  $2,25 \text{ cm}^2$  con  
punti di intersezione a  $1,5 \text{ cm}$  di  
distanza**

**2 U per area**







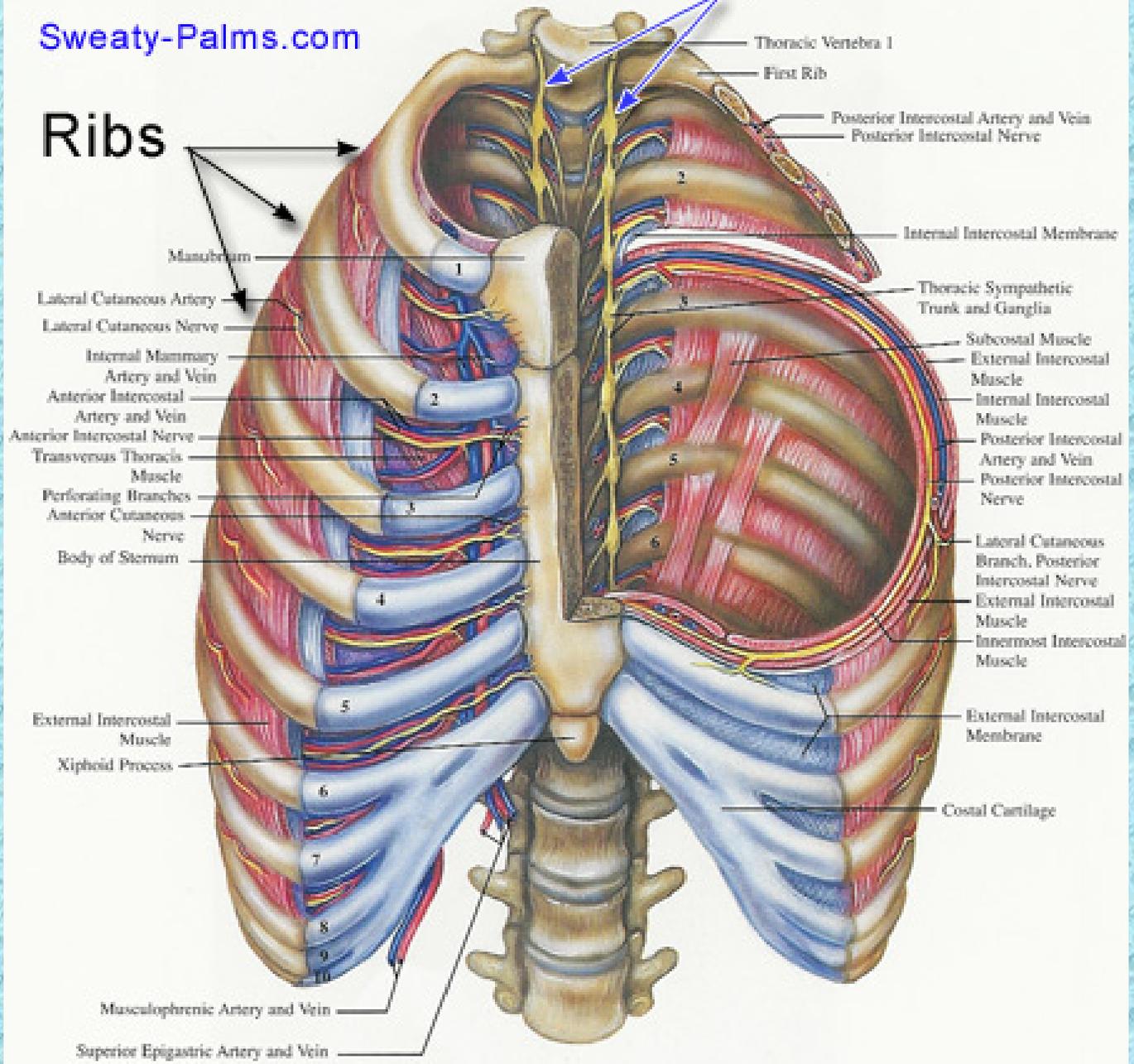
# Effetti

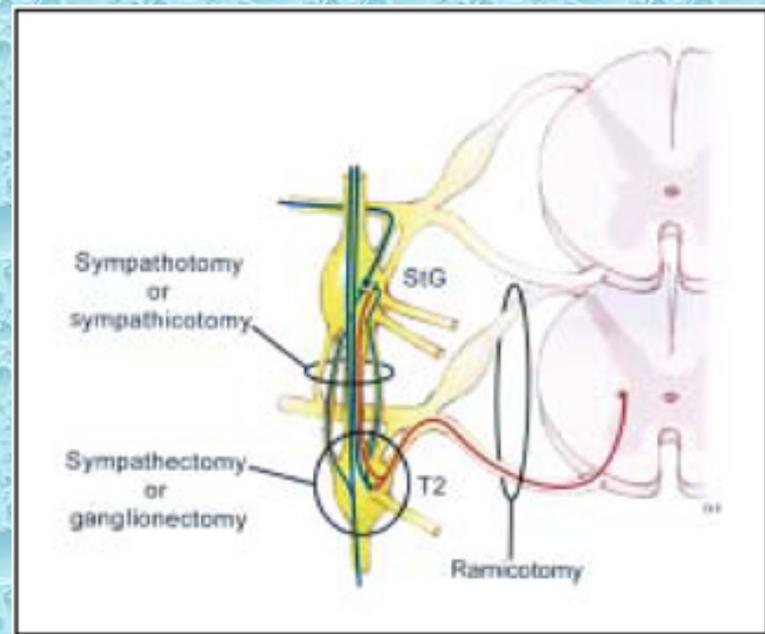
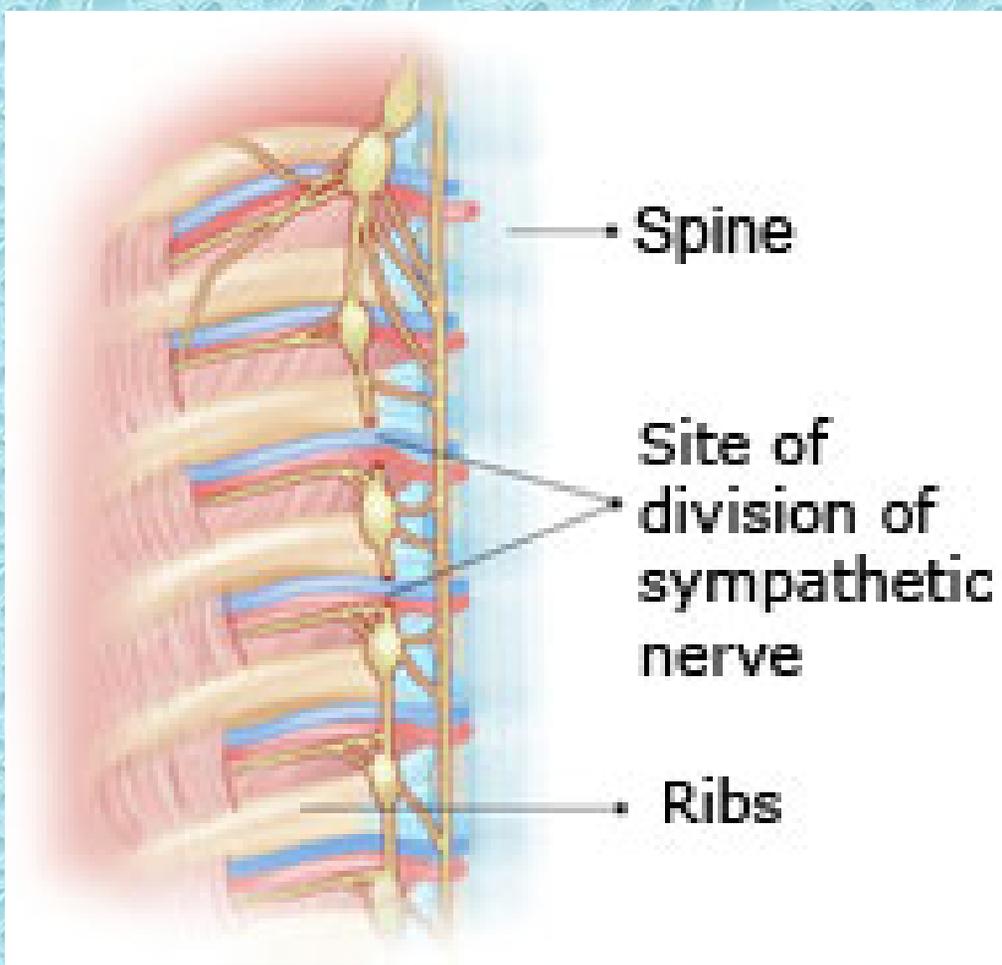


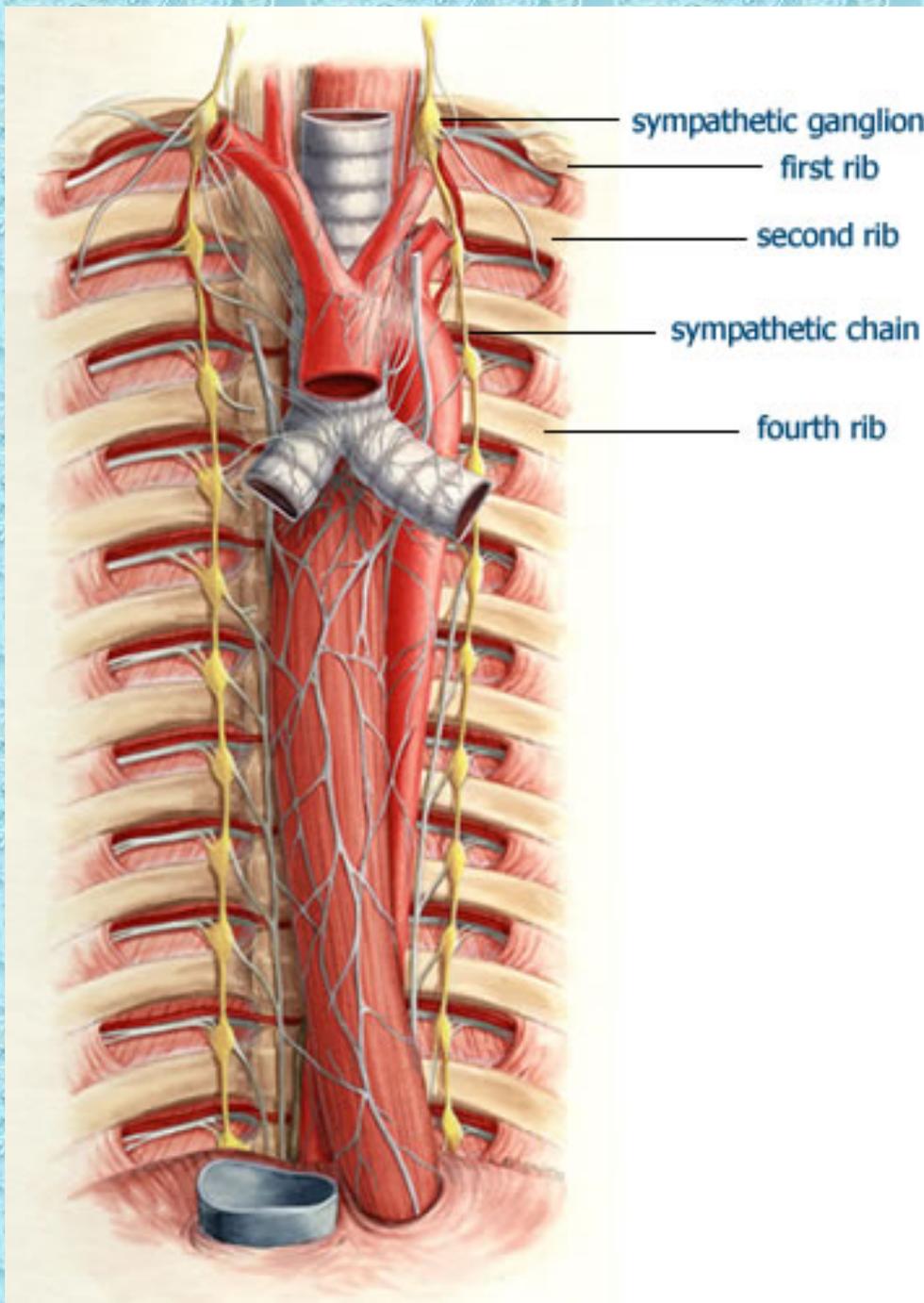
- Risultati dopo 48-72 h;
- Efficacia per ca. 9 mesi (localizzazione ascellare) e ca. 5 mesi (localizzazioni palmare e plantare)

# Sympathetic Nerve

## Ribs







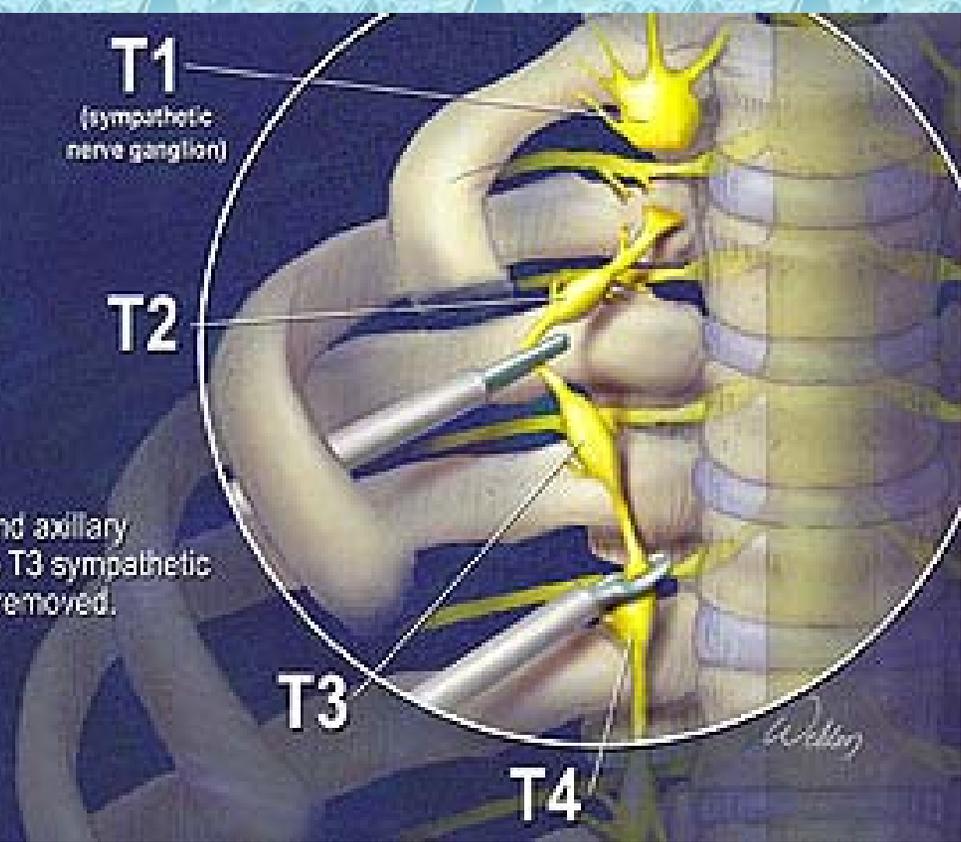
**T1**  
(sympathetic  
nerve ganglion)

**T2**

**T3**

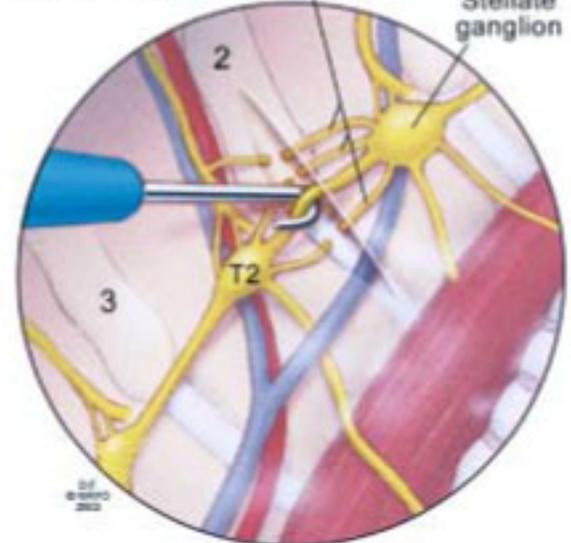
**T4**

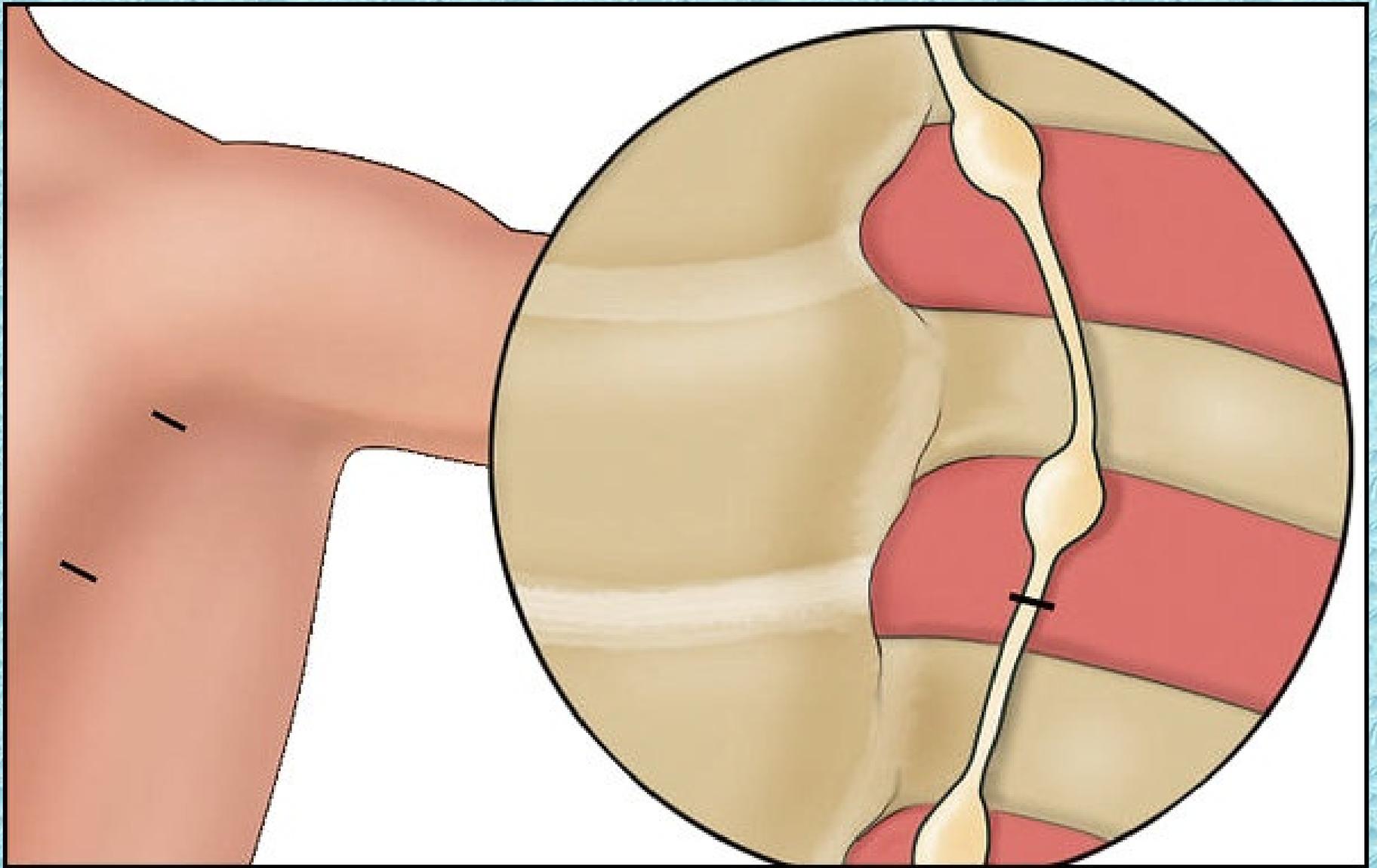
To correct palmar and axillary  
hyperhidrosis, T2 to T3 sympathetic  
nerve ganglion are removed.

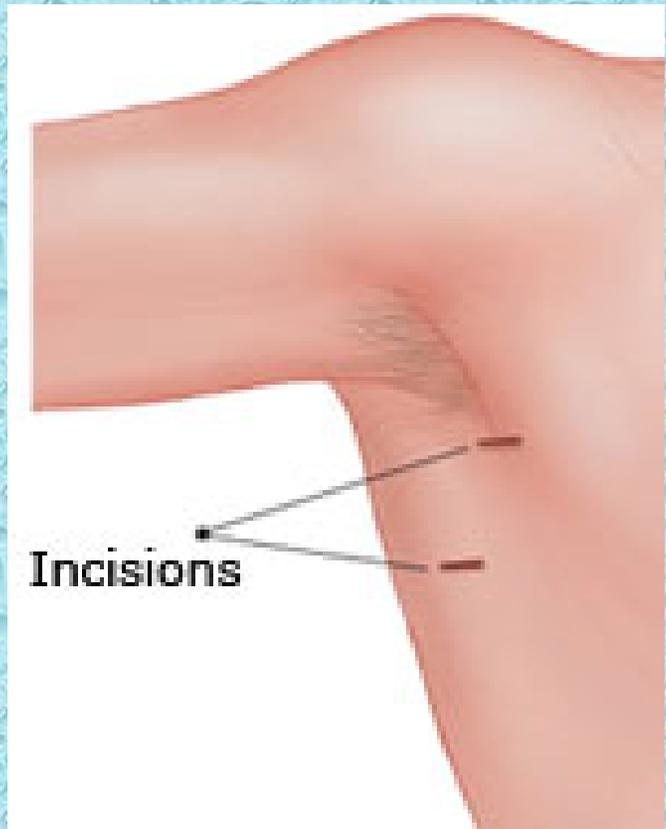
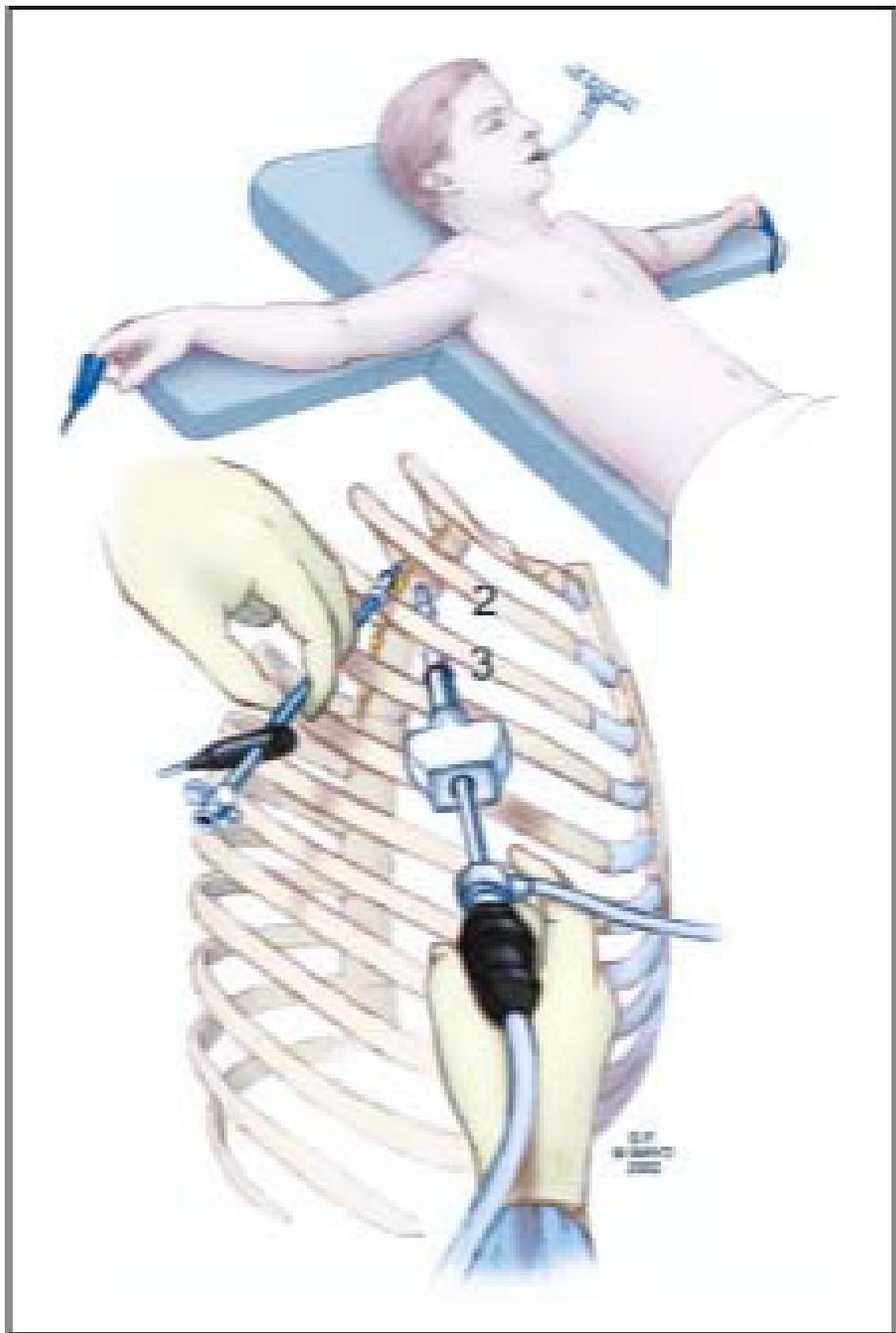


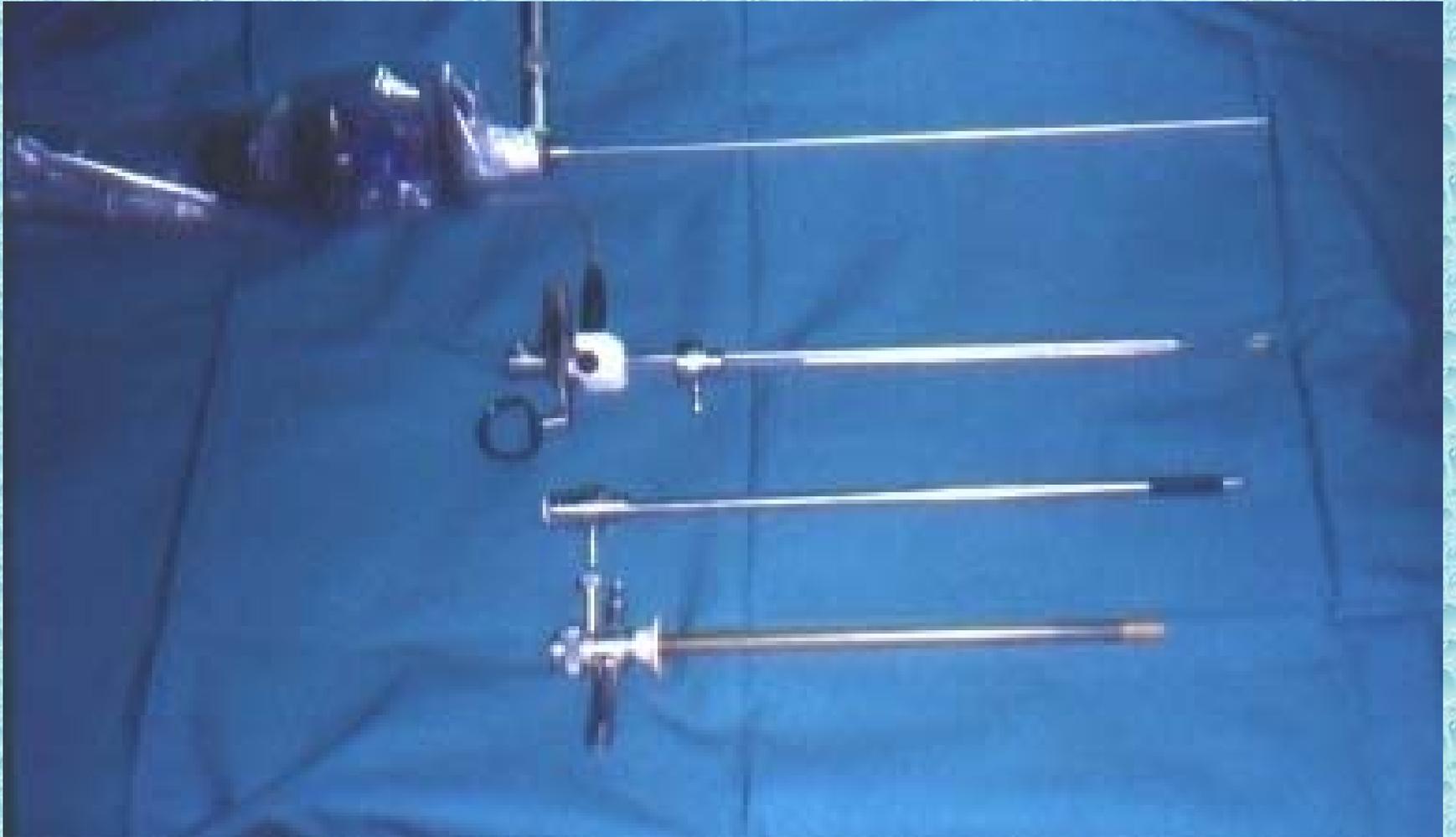
Aberrant sympathetic fibers

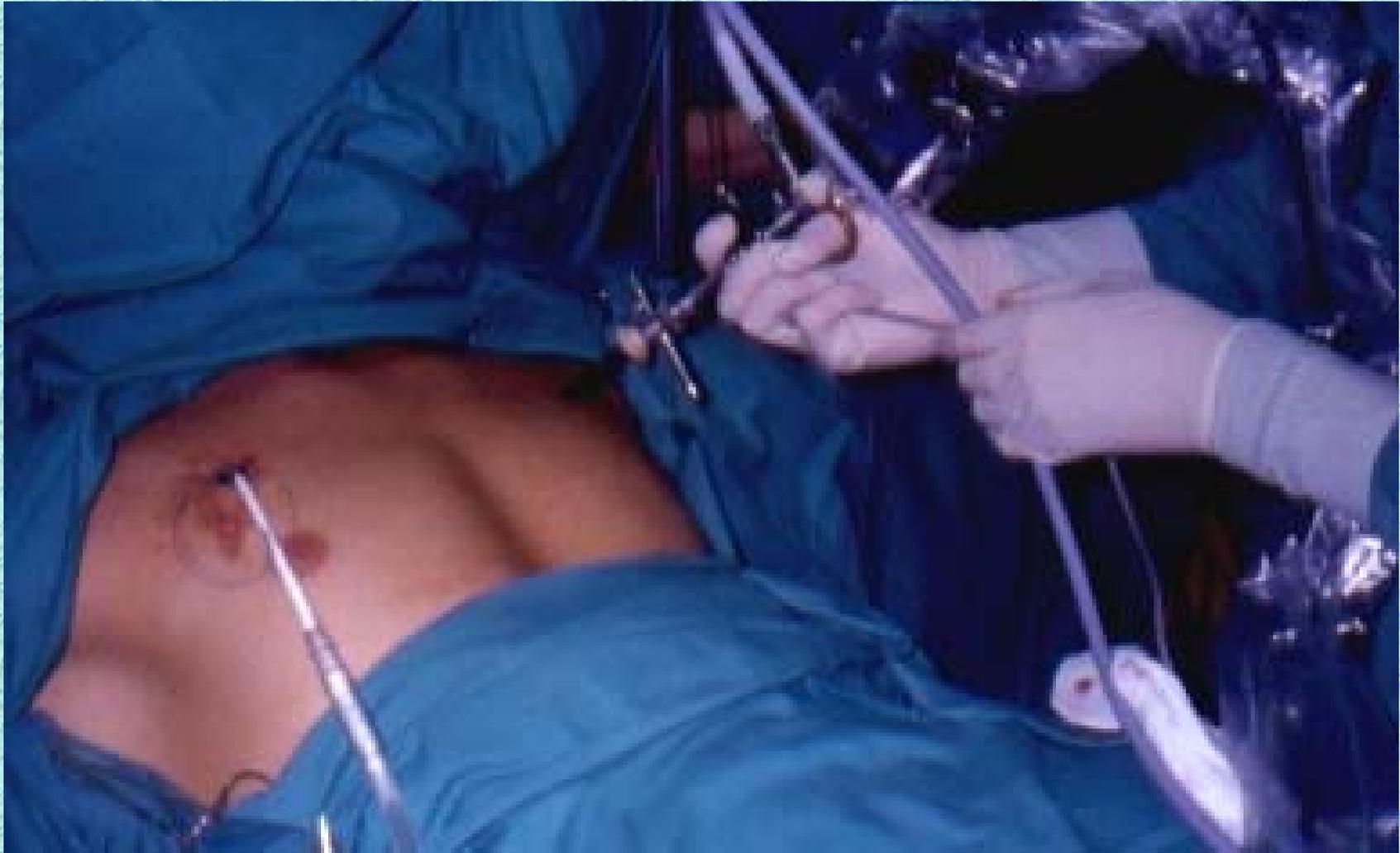
Stellate ganglion



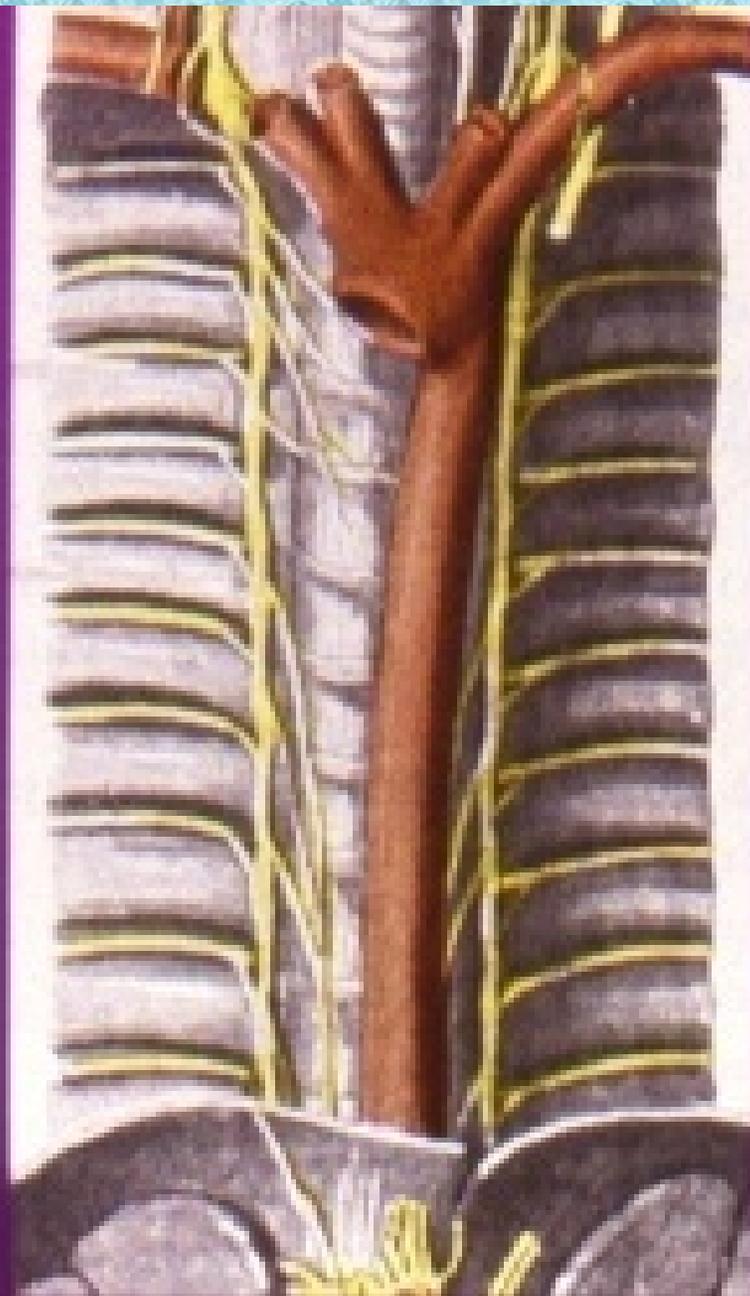


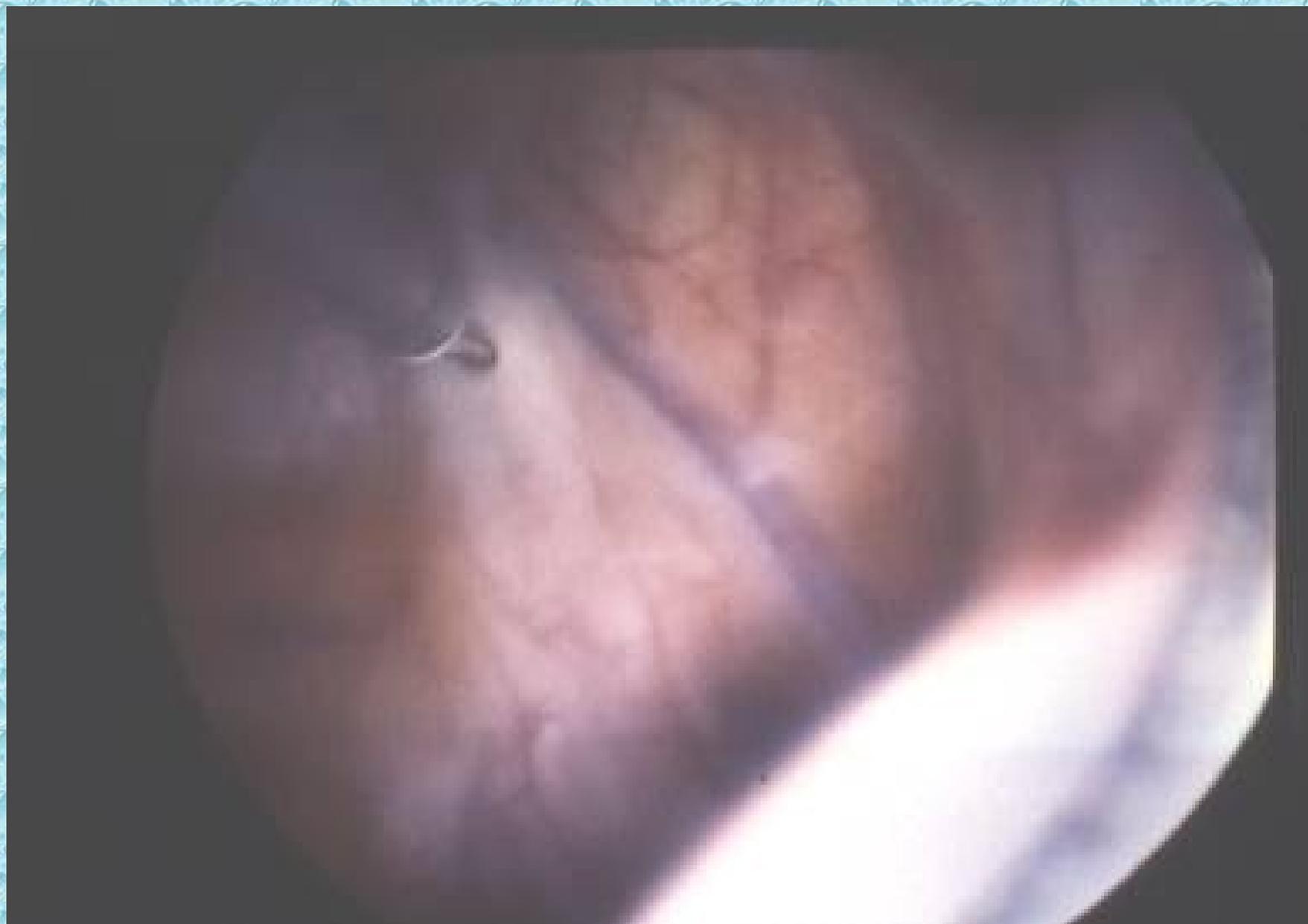






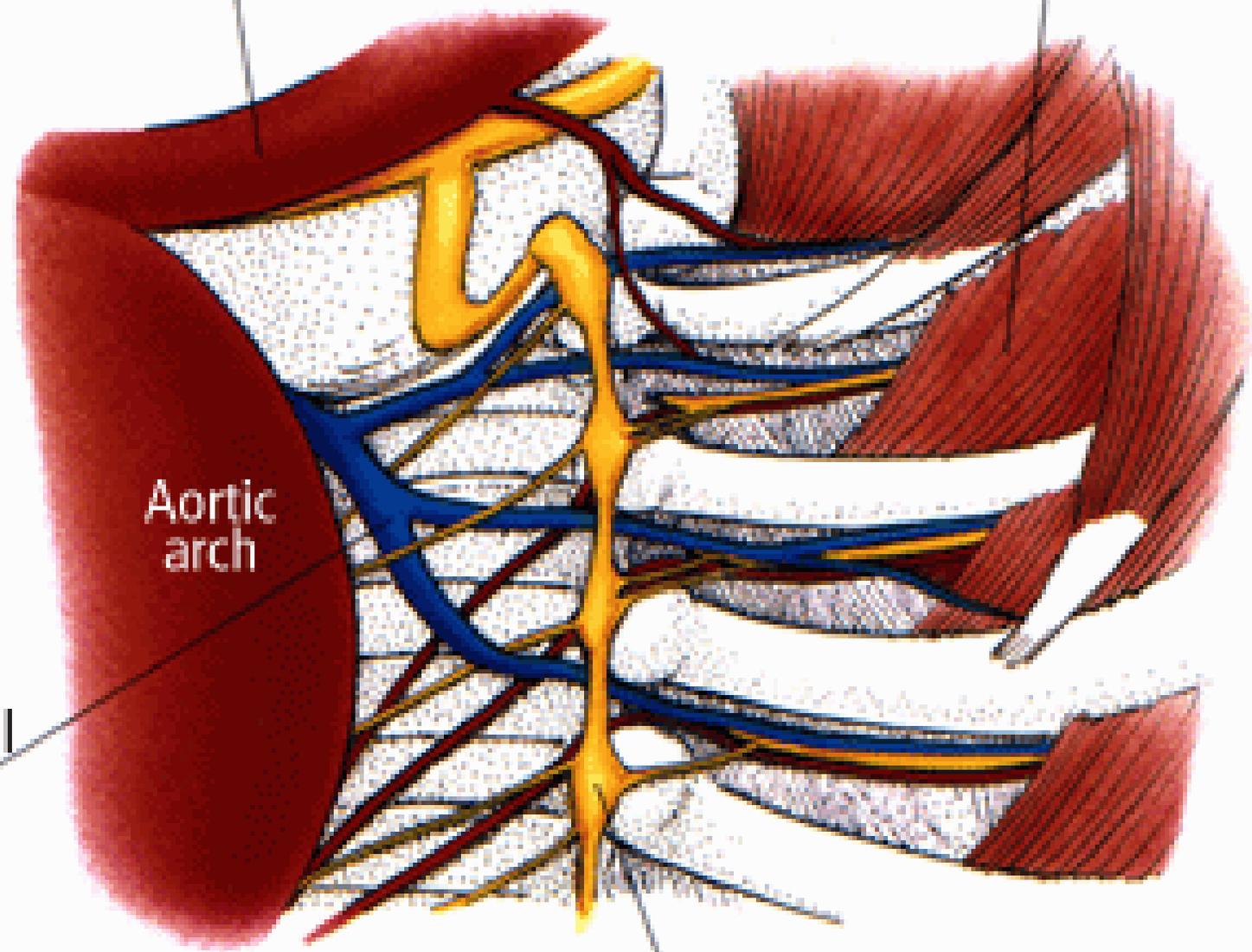






Subclavian artery

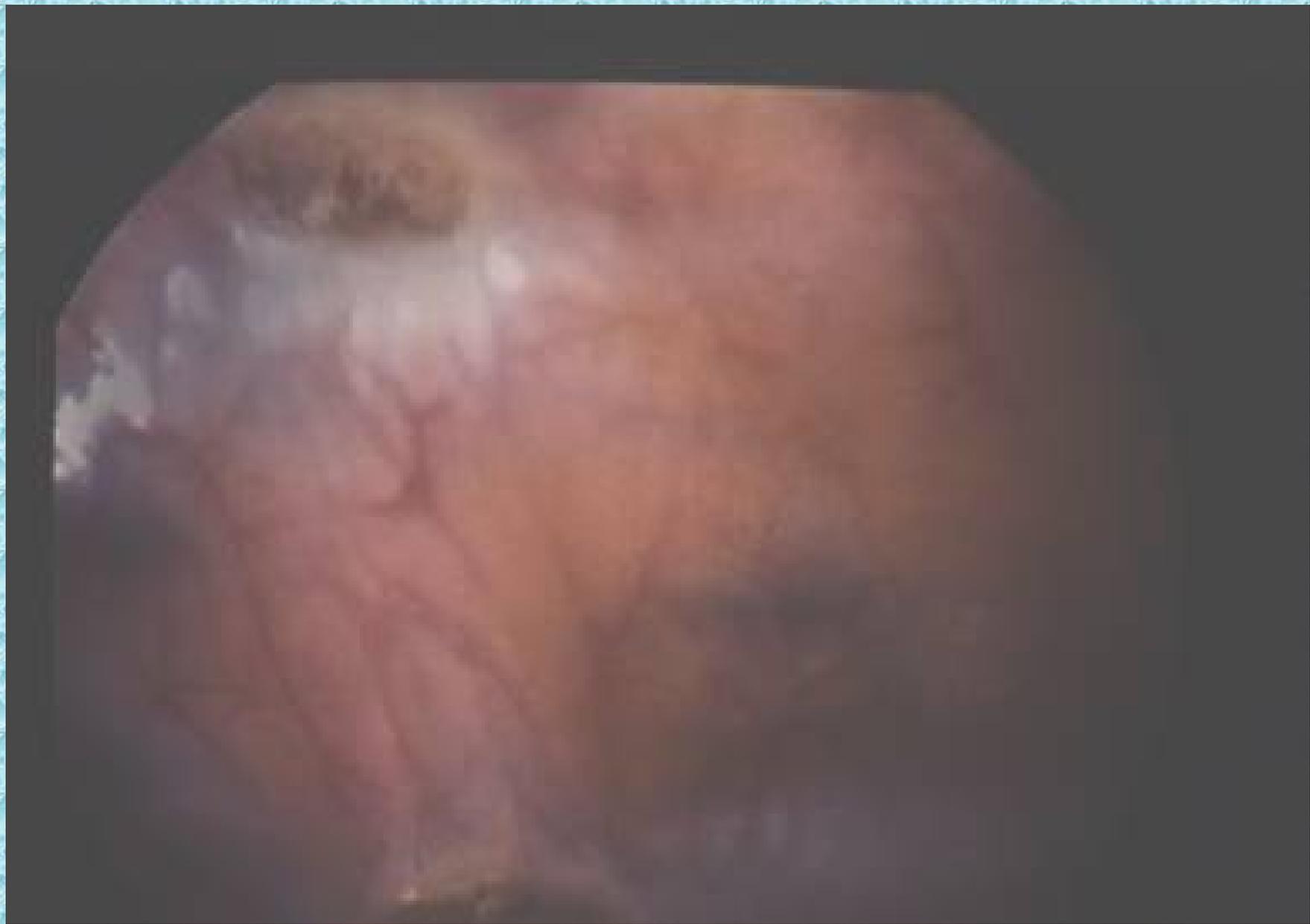
Intercostal muscle



Aortic arch

Intercostal veins  
2, 3, 4

Sympathetic chain



A tropical beach scene with turquoise water, a white boat, and a blue sky with clouds. The text is overlaid on the image.

**Edoardo Raposio**

**Ssd Chirurgia della Cute ed  
Annessi,  
Mininvasiva, Rigenerativa e  
Plastica**



A tropical beach scene with turquoise water, a white boat, and a blue sky with clouds. The text is overlaid on the image.

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Plastica**

# Grazie



Ssd Chirurgia della Cute ed Annessi,  
Mininvasiva, Rigenerativa e Plastica,  
Azienda Ospedaliero-Universitaria di Parma

