

Muscle artery (histological preparation, WRF)

The wall of a muscular artery **consists of three layers**:

Tunica intima

- dyes light because it contains a minimum of elastic fibers,
- endothelium (single-layered squamous epithelium), its cells lie on a thin layer of sparse tissue (recognizable only at the highest resolution),
- **lamina elastica interna** is colored dark purple.

Tunic media

- almost exclusively smooth muscle cells, light gray to light purple in color,
- on interface *t. media* and *t. adventitia* lies the *lamina elastica externa* (condensation of elastic fibres), again strongly colored.

Tunica adventitia

- made up of collagen and elastic fibers with a minimum of muscle cells.

Note: photos are not yet available, for WRF staining see the article Elastic artery.

Links

Related Articles

- Muscular artery (histological slide, HE)
- Elastic artery (histological slide)
- Vein (histological slide, HE)

References

- EIS, Václav – JELÍNEK, Štěpán – ŠPAČEK, Martin. *Histopatologický atlas* [online]. ©2006. [cit. 2010]. <<http://histologie.lf3.cuni.cz/histologie/atlas/index.htm>>.
- JUNQUIERA, L. Carlos – CARNEIRO, Jose – KELLEY, Robert O.. *Basics of histology*. 7. edition. H & H 1997, 1997. pp. 502. ISBN 80-85787-37-7.