

Renal medulla

Anatomy

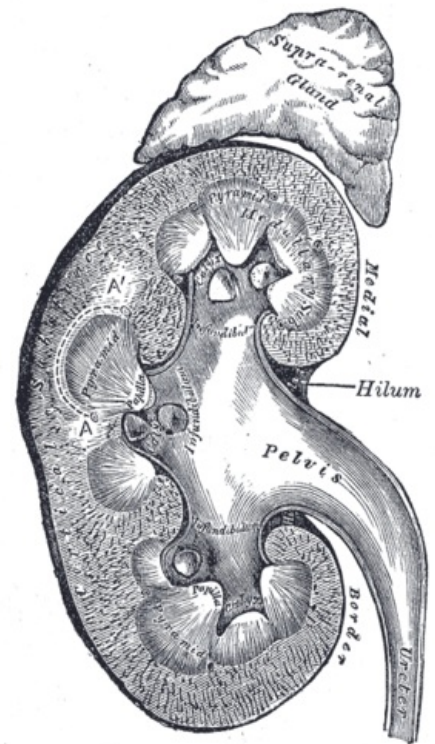
The medulla of the kidney is darker, striated and sometimes reaches the hilum. It is stored under the outer layer of the bark.

- ***pars radiata corticis*** - narrow strips of marrow extending deep into the cortex
- is arranged in pyramidal (triangular in cross section) formations – ***pyramides renales***, the base of each pyramid is turned towards the surface of the kidney and the top of the pyramid – ***papilla renalis*** is turned towards the hilum and penetrated by openings (*area cribrosa*) – ***foramina papillaria***, which represent the mouths of drainage ducts – ***ductus papillares***

The boundary between the bark and the pith is not straight.

Histological image

- **Loop of Henle**
 - thin arm – single-layer flat epithelium, very thin wall, small lumen
 - thick shoulder – single-layer cubic epithelium, round, oval, regular lumen
- **collecting ducts** - single-layer cubic epithelium, but the lumen is not so regular, there are visible boundaries between individual cells
- other visible structures of the marrow: capillaries, arteries, veins, unmyelinated vegetative nerves,...



kidney section

Links

Related Articles

- Kidneys
- Nephron
- Renal cortex

References

- ČIHÁK, Radomír. *Anatomy 1*. 2. edition. Grada Publishing, a.s., 2008. 516 pp. vol. 1. ISBN 80-7169-970-5.