

# Renal medulla

## Anatomy

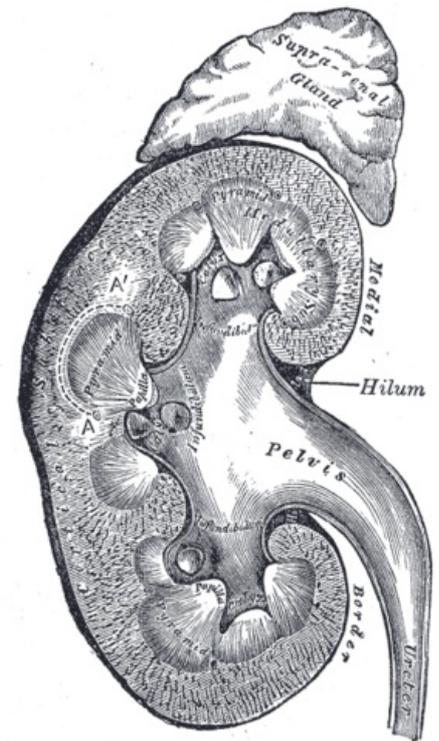
The medulla of the kidney is darker, striated and sometimes reaches the hilum. It is stored under the outer layer of the bark.

- ***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.