



Vad hittar man på biopsin?

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Vad jag huvudsakligen skall tala om:

Table 2. Distribution of patients by histopathology

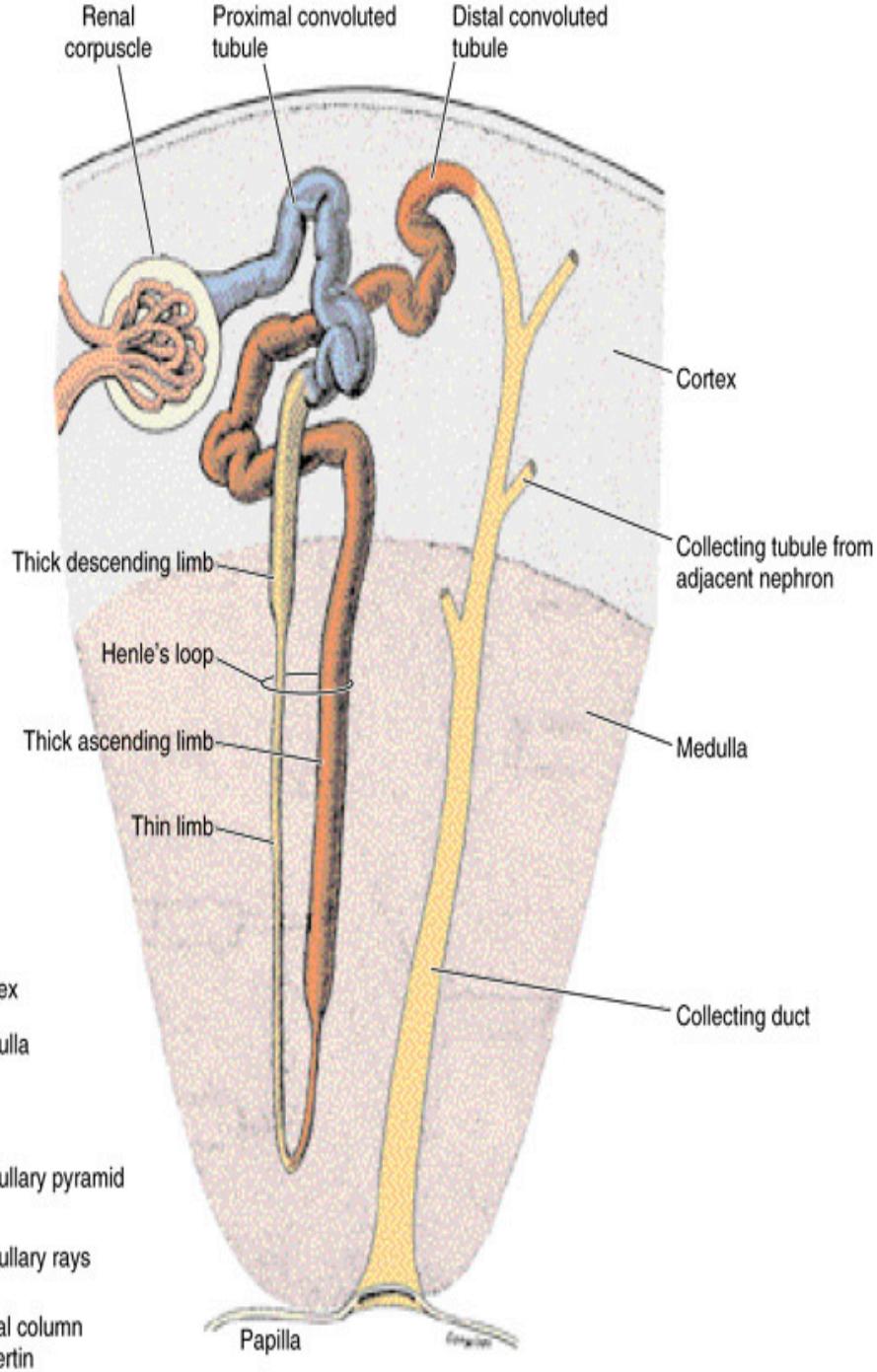
Categories	No. of patients	%
Minimal change nephrotic syndrome	398	76.4
Membranoproliferative glomerulonephritis	39	7.5
Focal & segmental glomerulosclerosis	36	6.9
Proliferative glomerulonephritis	12	2.3
Pure diffuse mesangial proliferation	12	2.3
Focal & global glomerulosclerosis	9	1.7
Membranous glomerulonephropathy	8	1.5
Chronic glomerulonephritis	3	0.6
Unclassified	4	0.8
Total	521	100

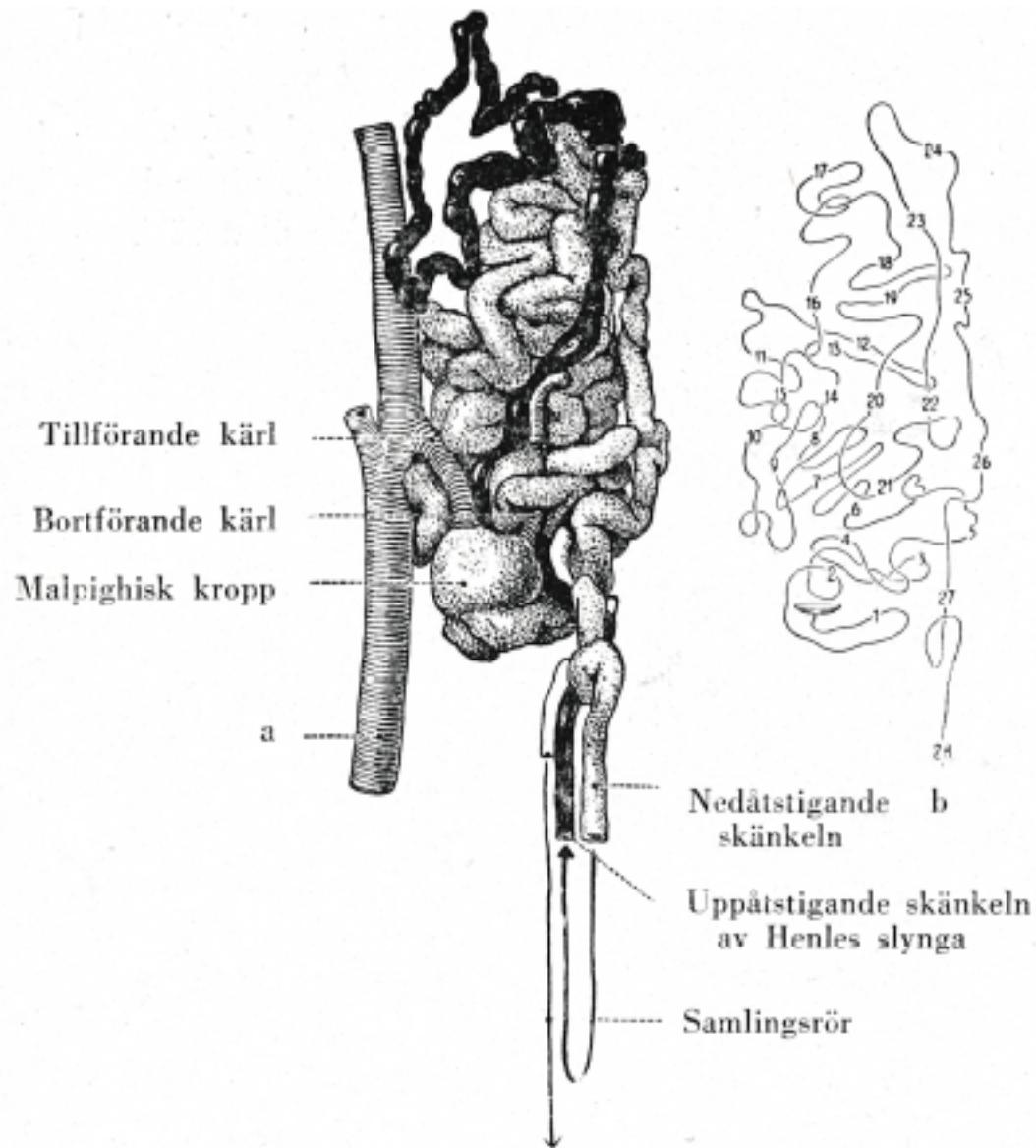
Kidney International, Vol. 13 (1978), pp. 159–165

Nephrotic syndrome in children: Prediction of histopathology
from clinical and laboratory characteristics at time of
diagnosis

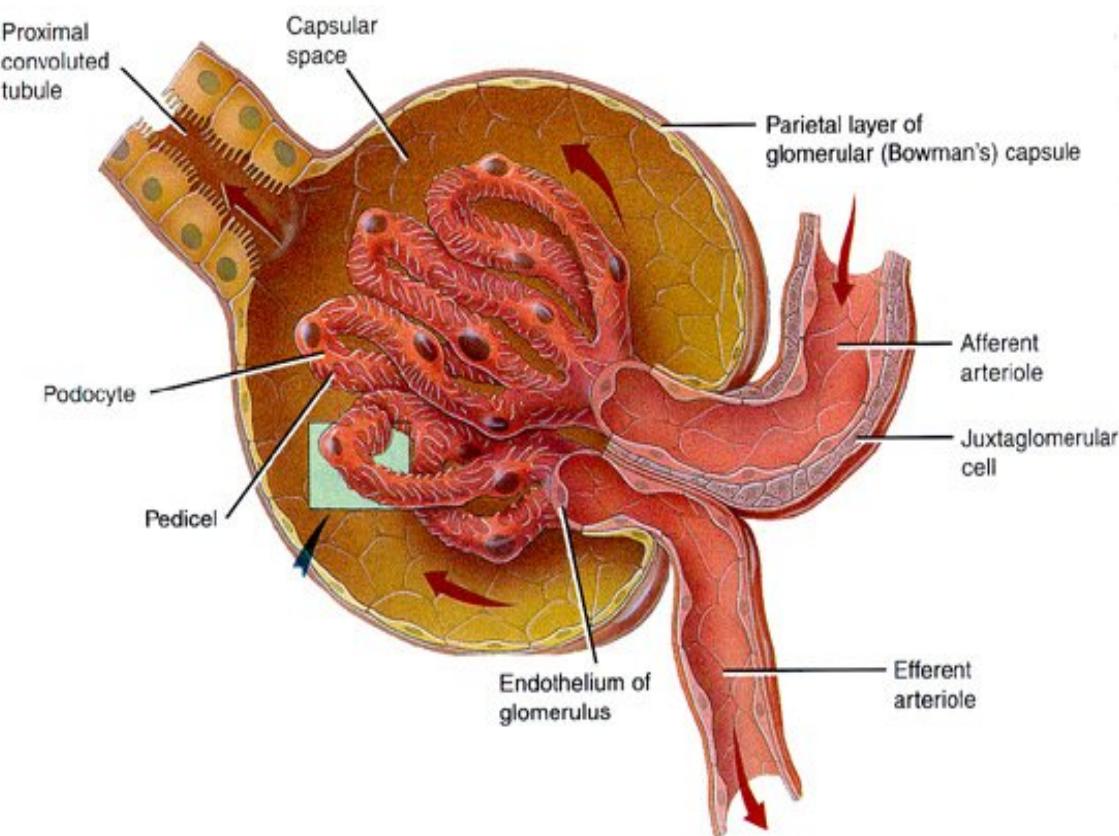
Nefronet

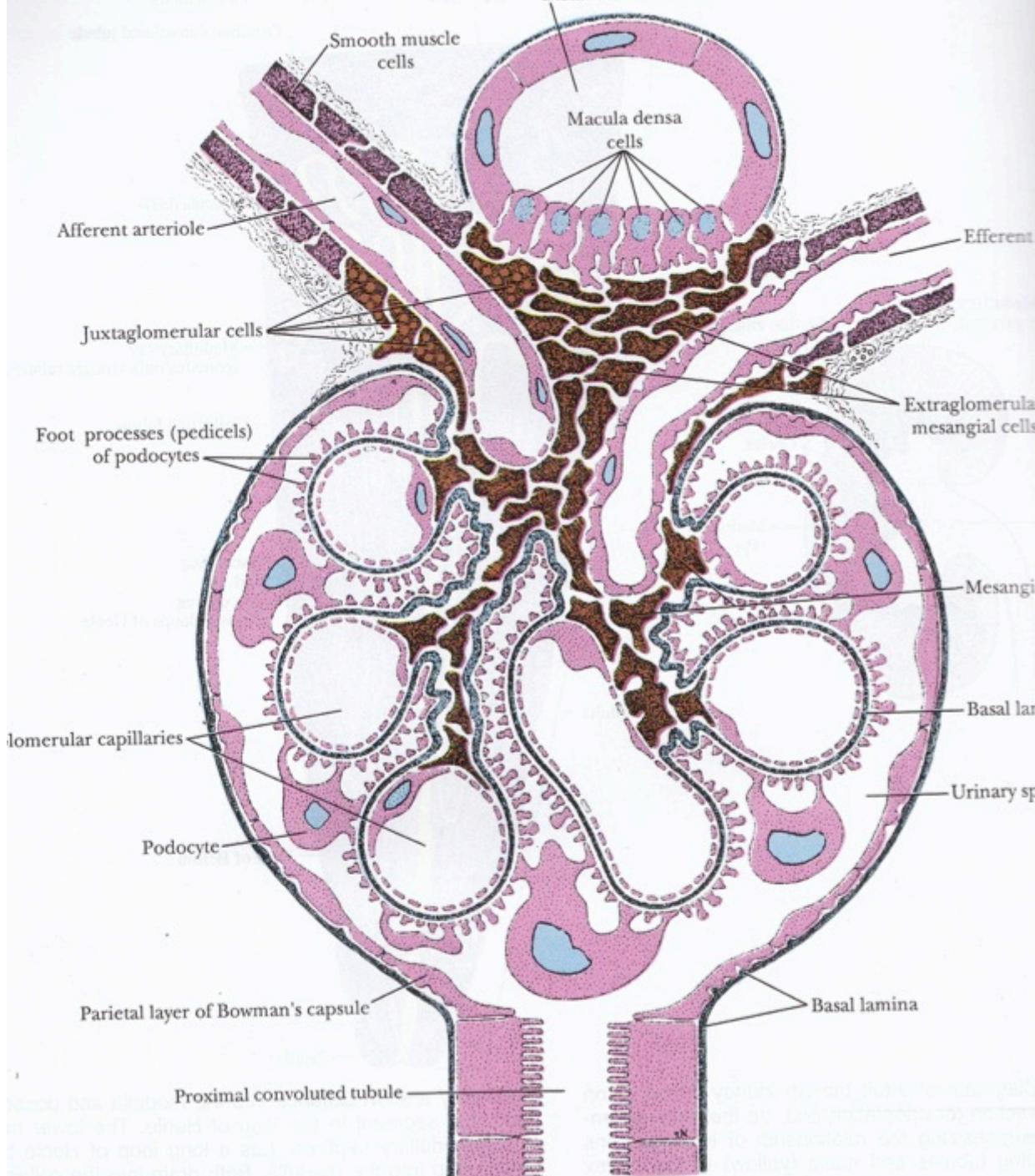
- 1 miljon per njure
- glomerulus + tubulus
- proximal convoluted tubule
- tunna & tjocka delen av Henles slynga
- distala convoluted tubuli
- samlingsrör

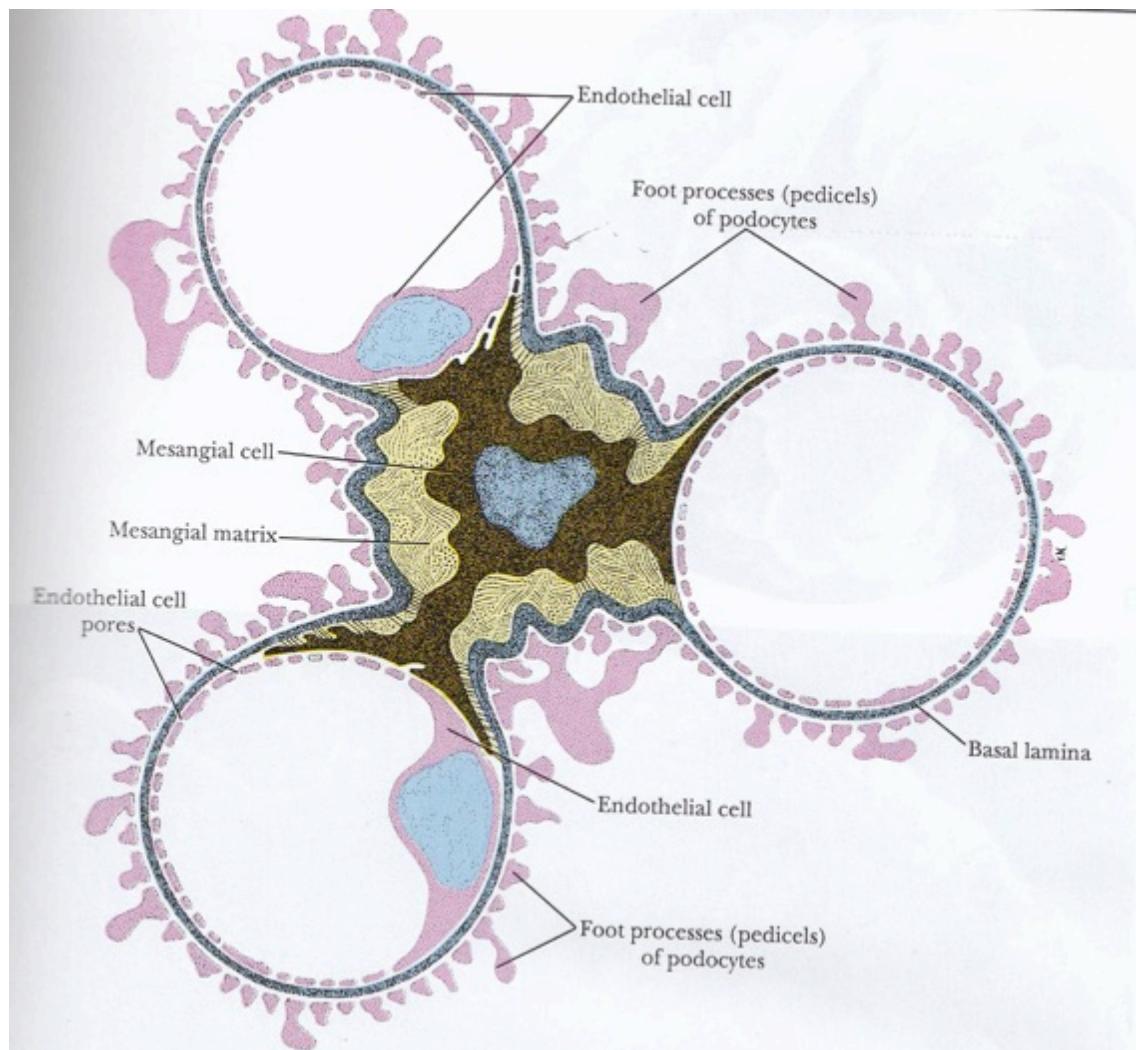


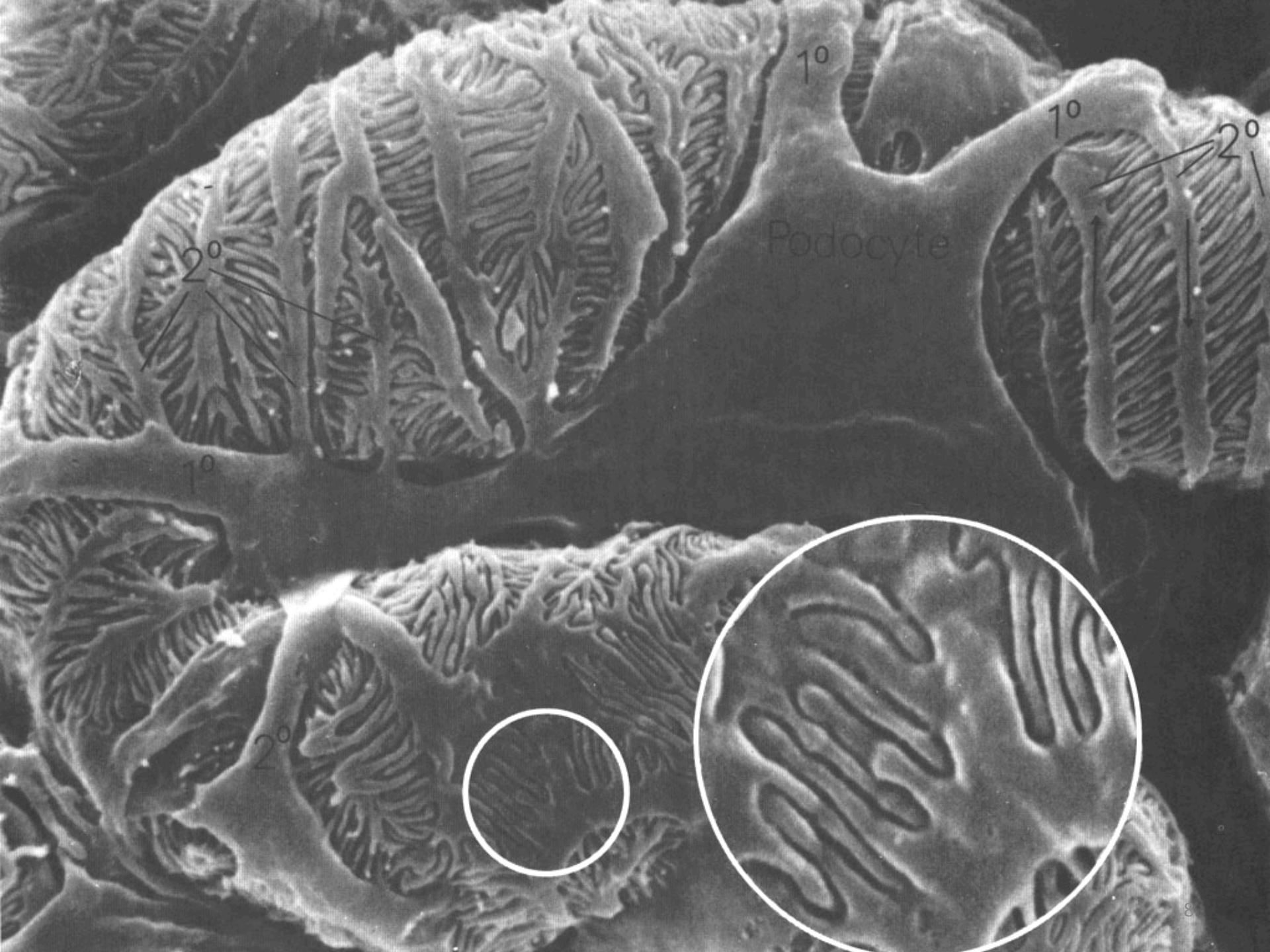


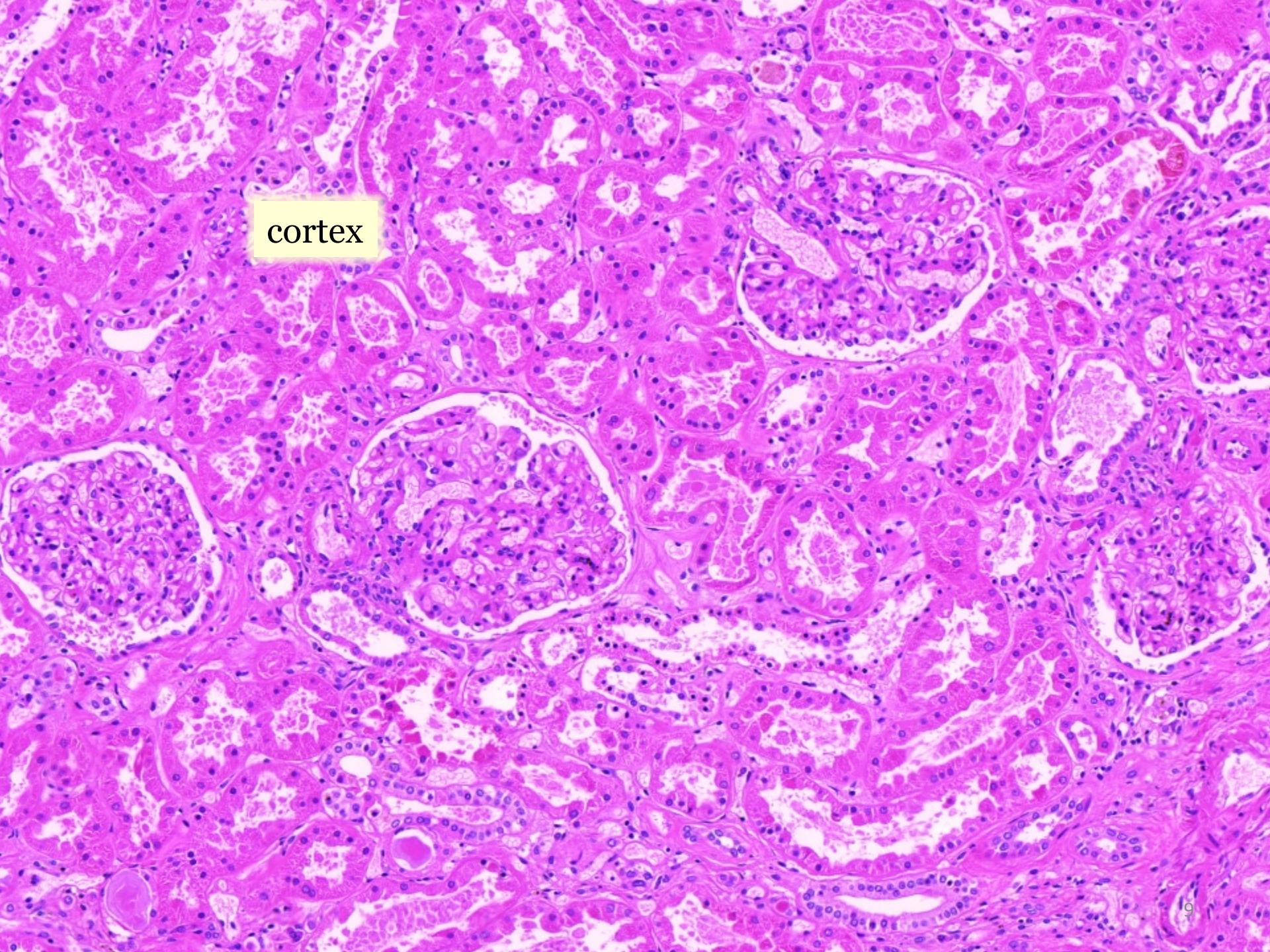
Glomerulus





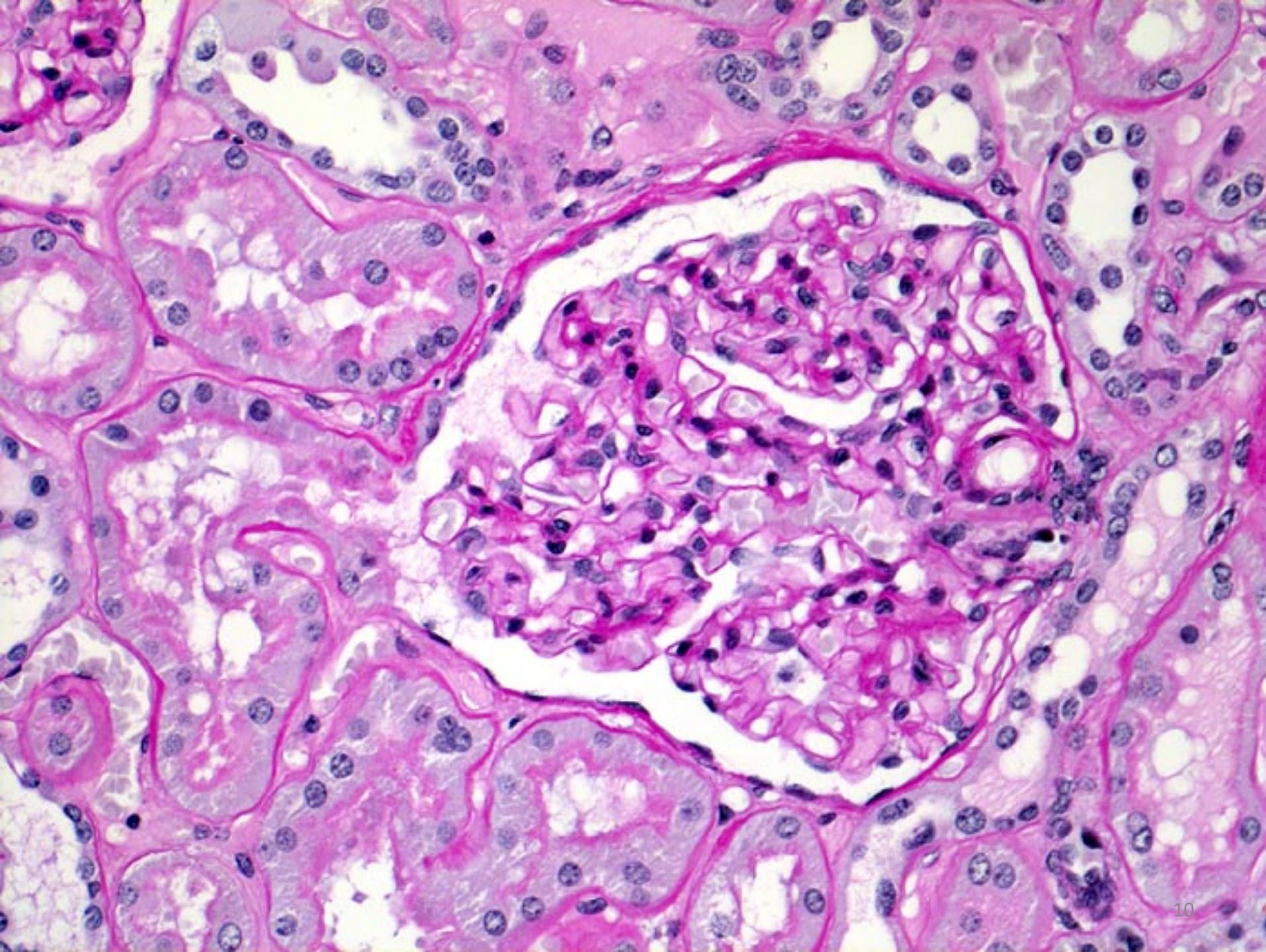






cortex

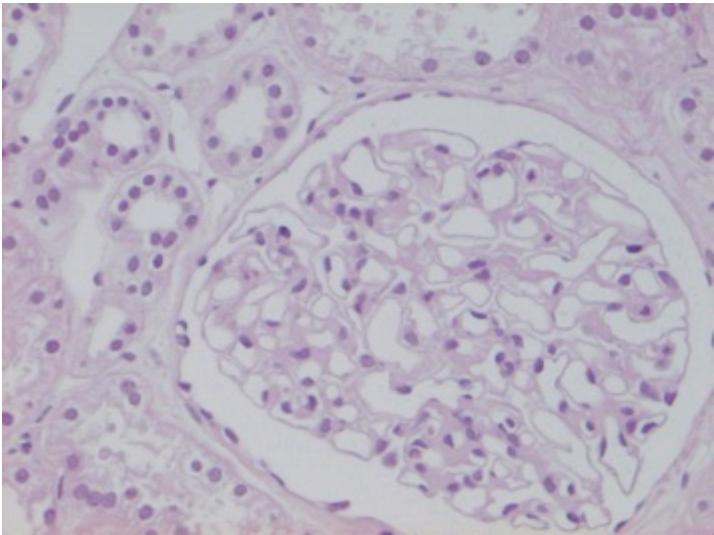
This image shows a histological section of the renal cortex. The tissue is stained pink, with darker purple nuclei of the renal tubular epithelial cells. The renal corpuscles are visible as clusters of tubules. A yellow rectangular label in the upper left corner contains the word "cortex".



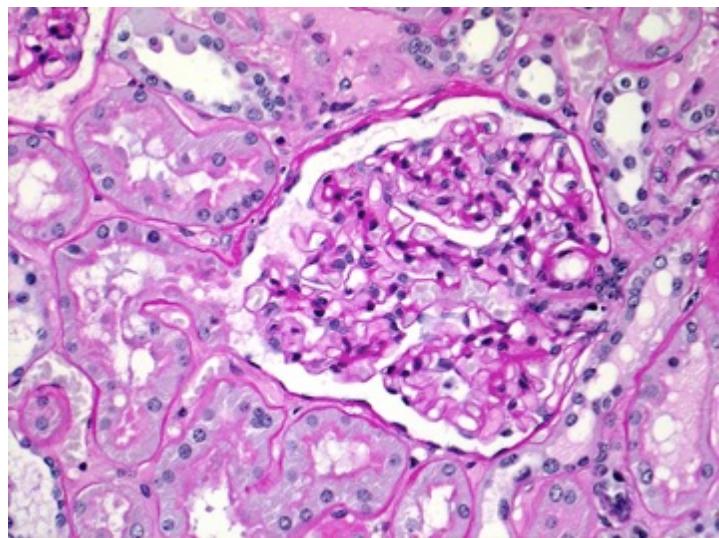
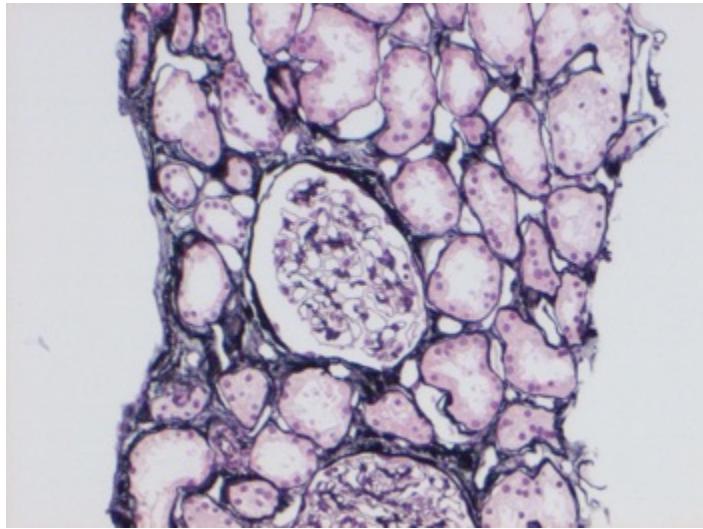
Verktygen vid bedömning av njurbiopsier:

1. Remissen och dennes anamnestiska uppgifter. V.B komplettering via kontakt med klinikern
2. Mikroskopi
 - a) Ljusmikroskopi, v.b immunohistokemi
 - b) Immunofluorescens (IF), IgG, IgA, IgM, C3, C4c, C1q, κ och λ
 - c) Elektronmikroskopi

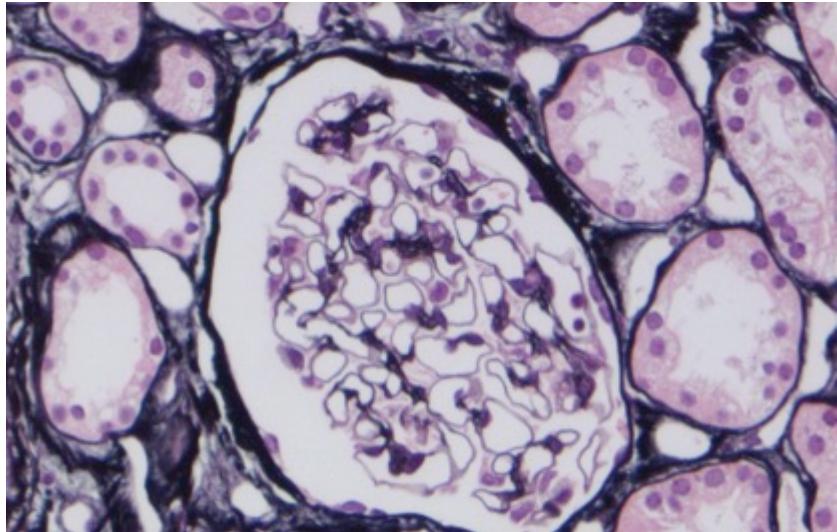
IF talar om för oss att det föreligger en immunologisk komponent i sjukdomen (glomerulonefriter) och ger viktiga ledtrådar till typen av njursjukdom. IG + komplement = immunkomplex

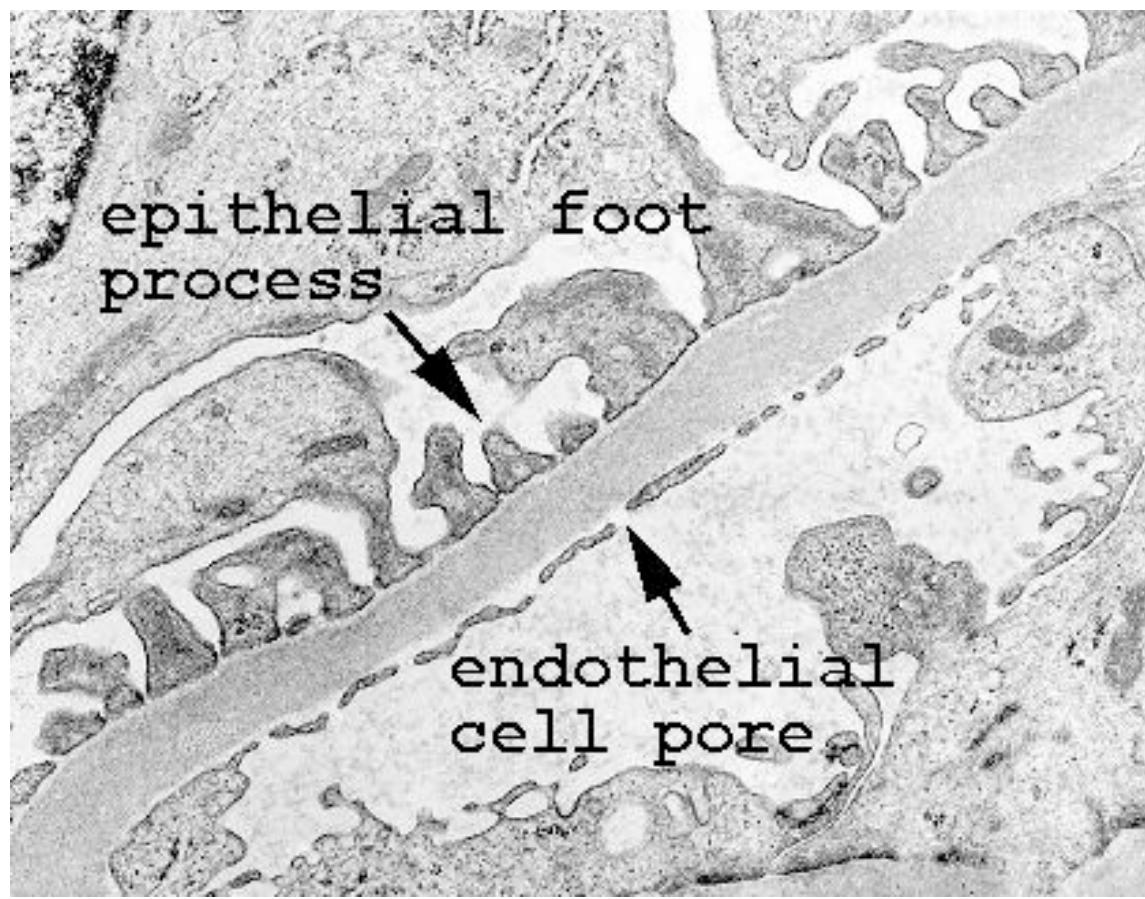


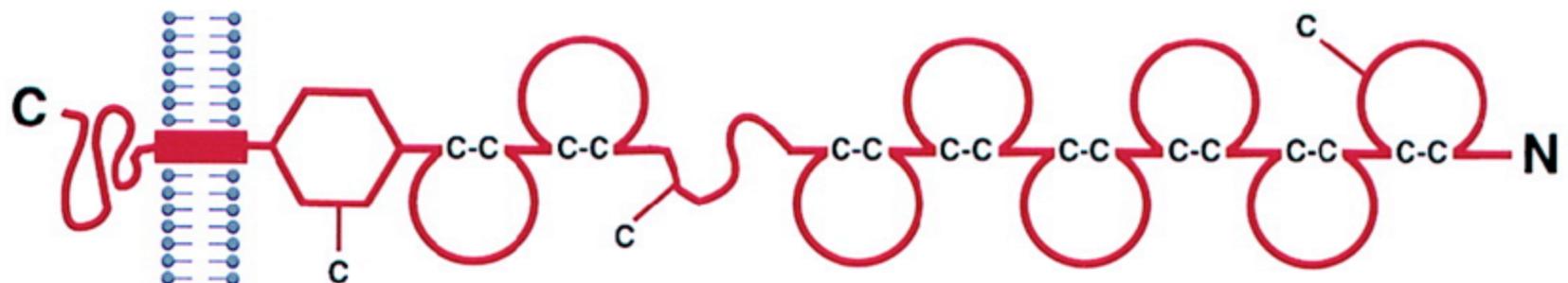
Hematoxylin/eosin



PAS







A



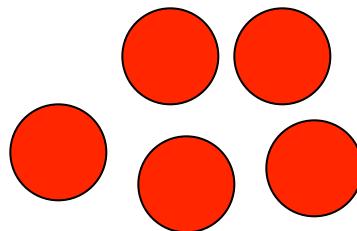
B

Nephrin

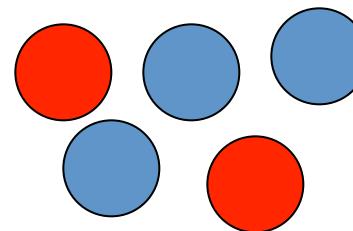
Terminologi

Glomerulonefriter kan indelas histologiskt på grundval av utbredning

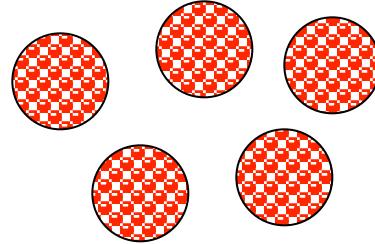
Diffus - alla glomeruli drabbade



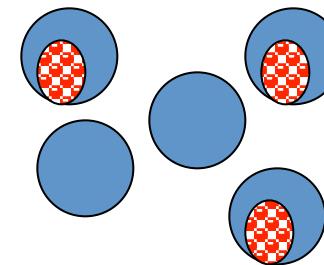
Fokal - en del glomeruli drabbade



Global - hela glomerulus drabbad



Segmentell - del av glomerulus drabbad



Diffus global glomerulonefrit

Fokal segmentell glomeruloskleros