



# HNF1B and the kidney

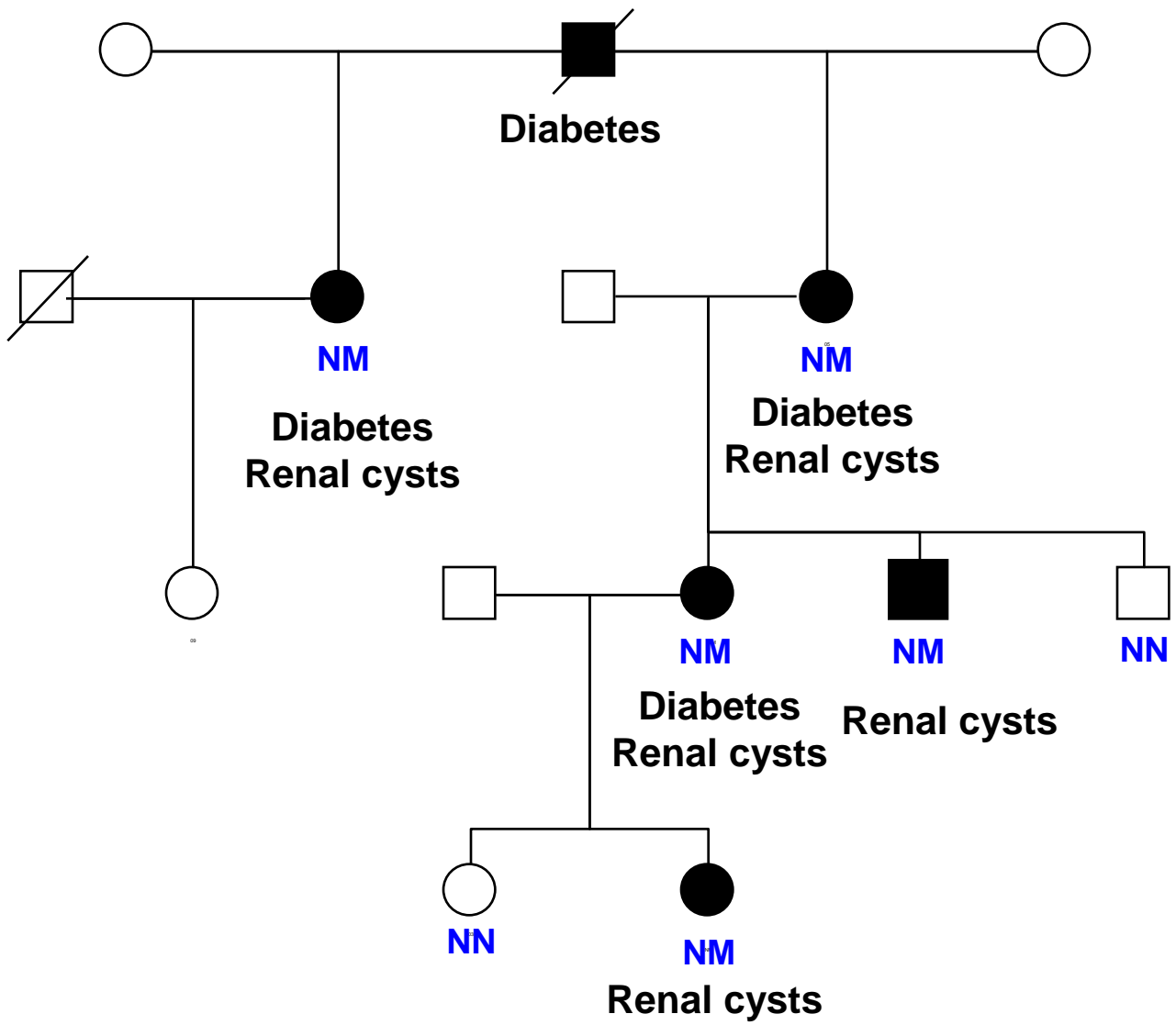
**Dr Coralie Bingham**

**University of Exeter Medical School**



# Renal Cysts And Diabetes (RCAD)

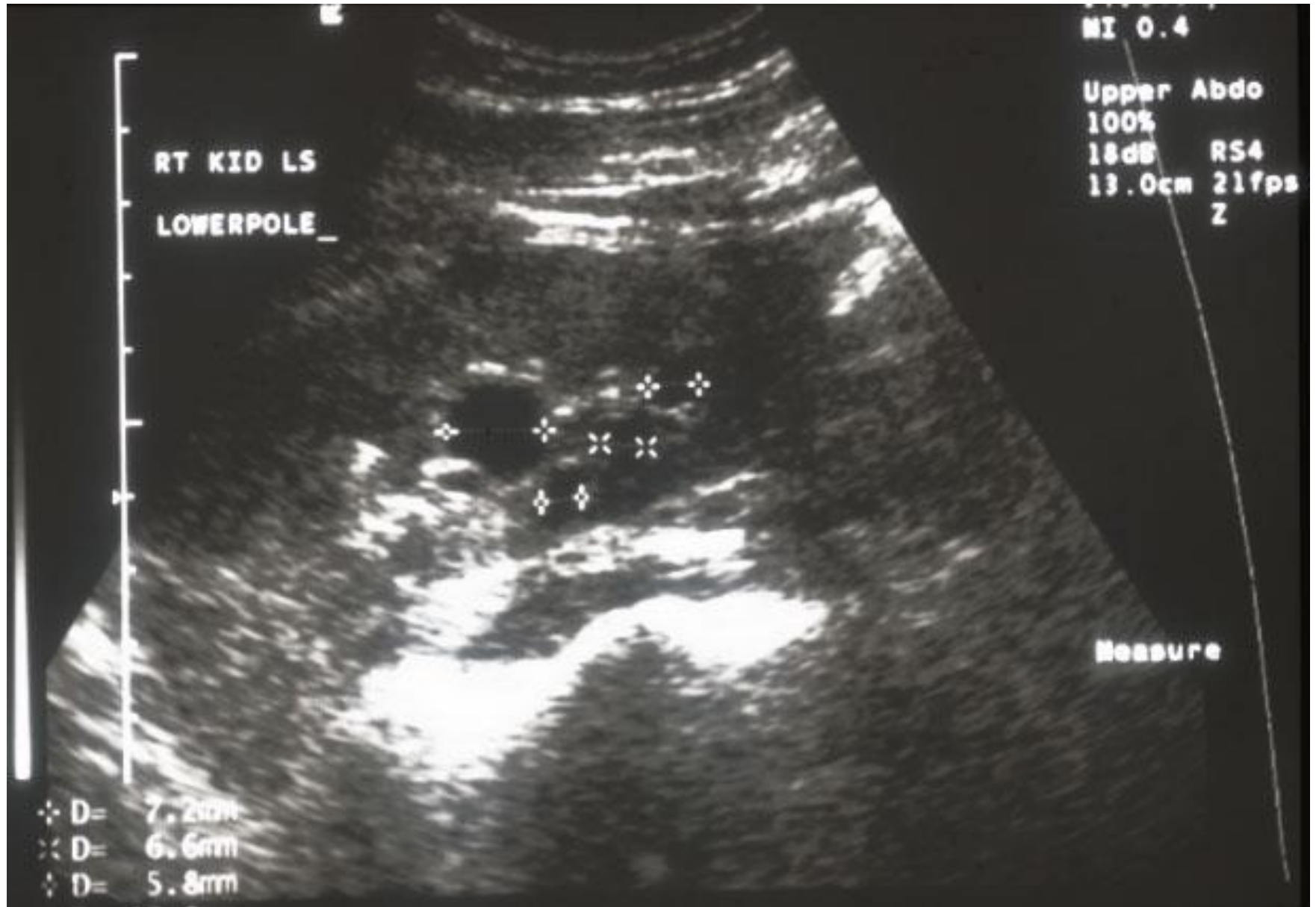
- **Renal cysts** (seen in utero)
- How well the kidneys work varies
- **Diabetes** typically develops after kidney disease in adulthood



# Normal kidney

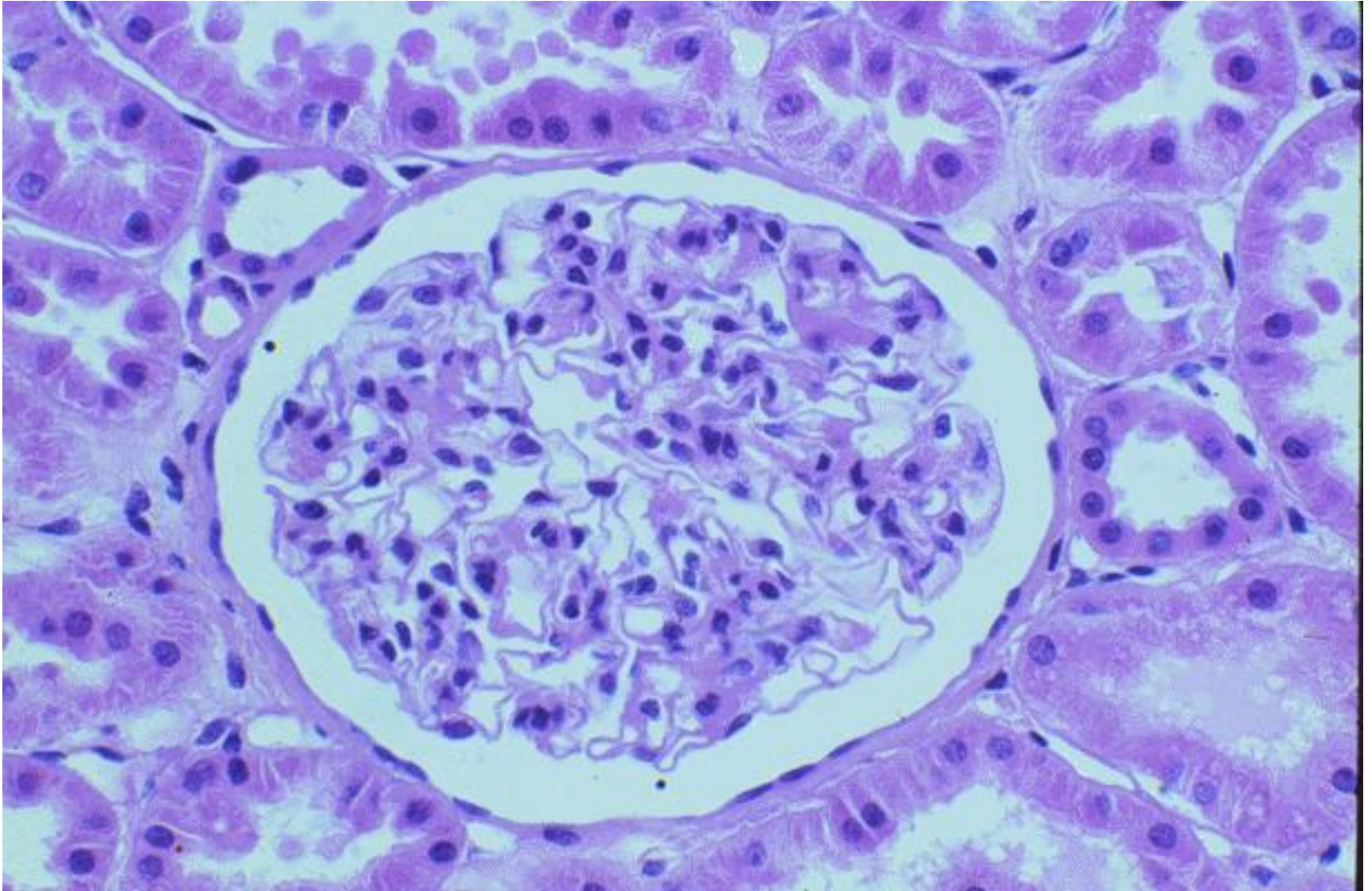


# HNF1B kidney

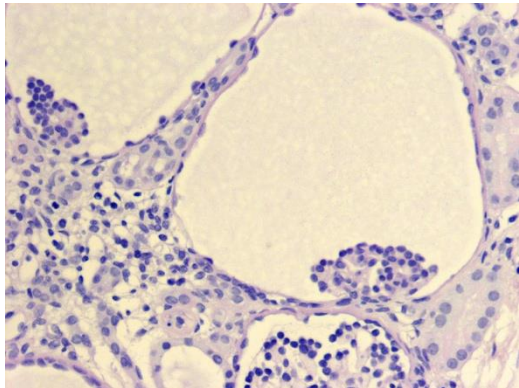
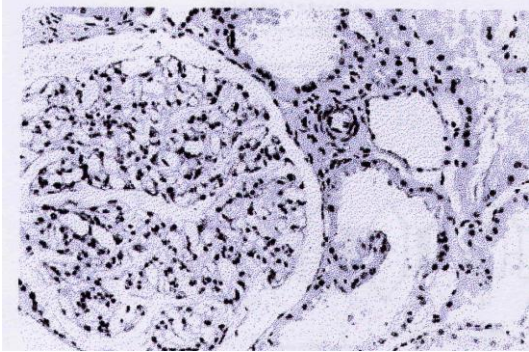
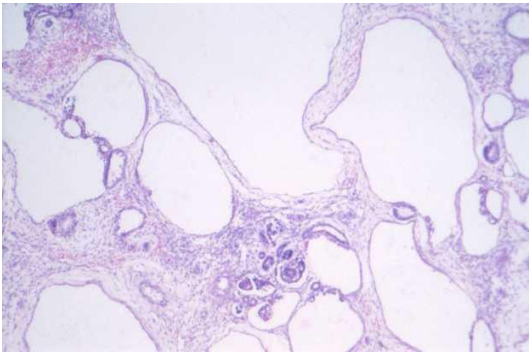




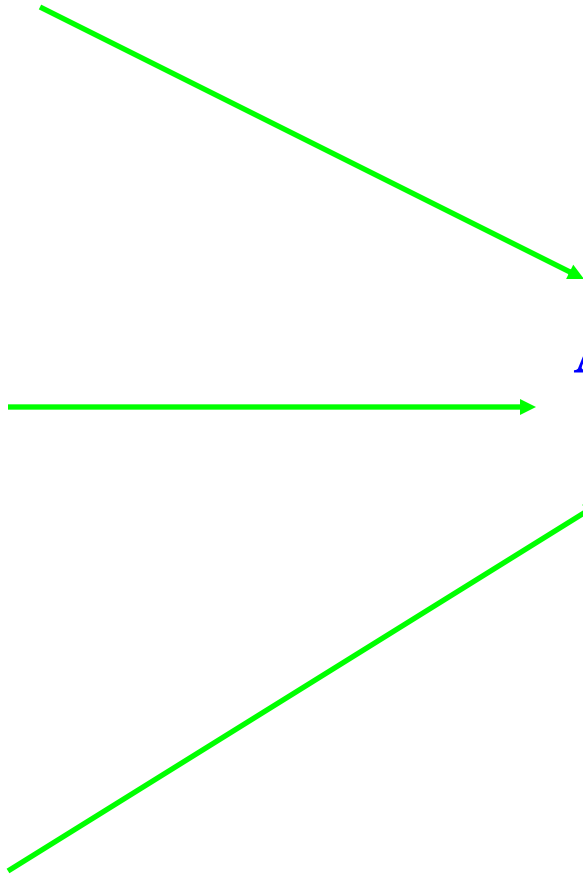
# Normal kidney

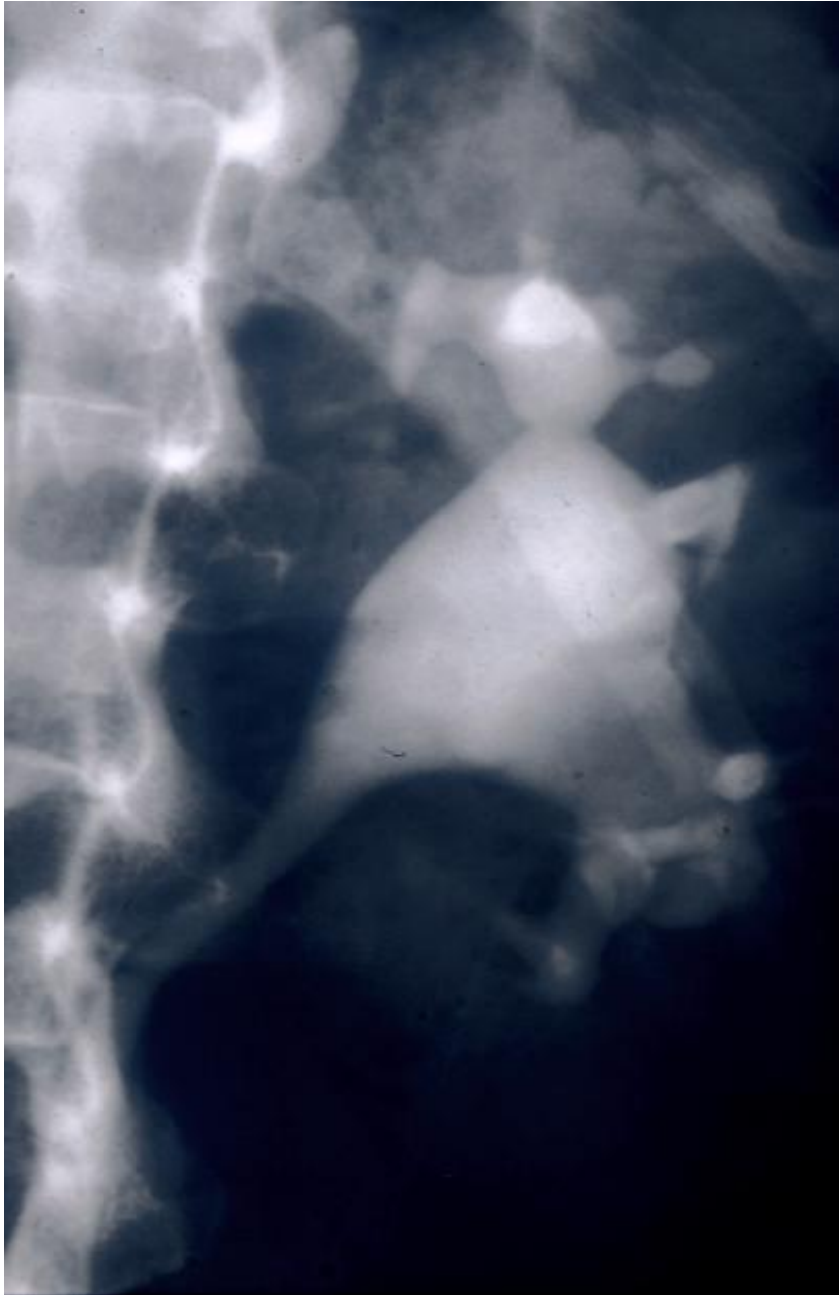


# HNF1B kidney



**Abnormal kidney  
development**

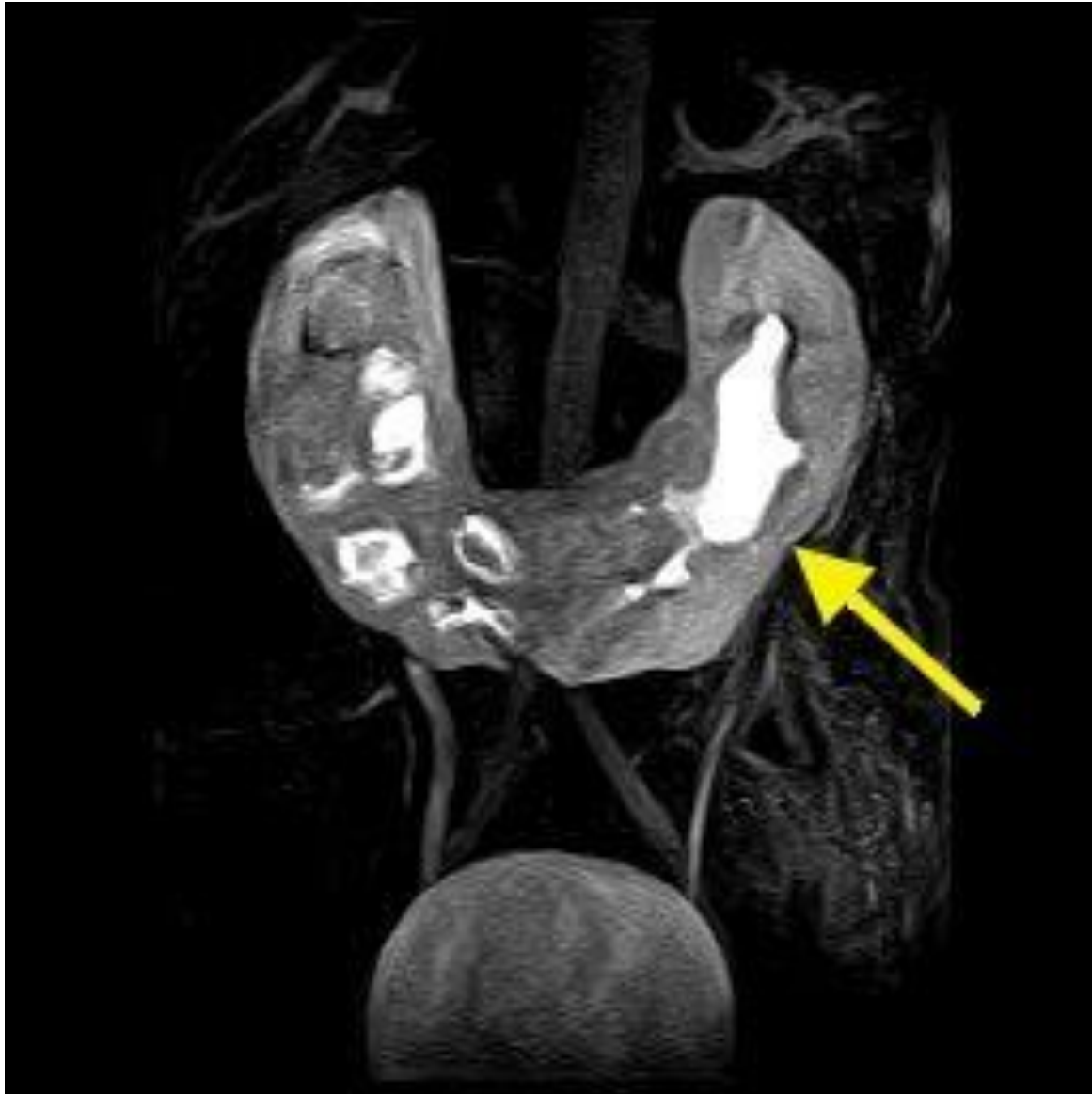




- **Single left kidney of normal size**



# Horseshoe kidney

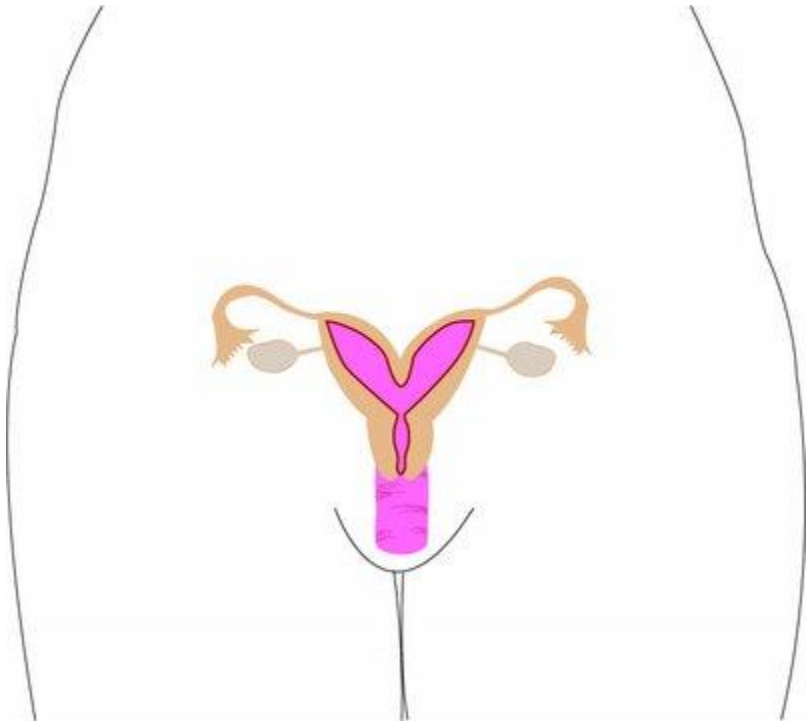


# Prune-belly syndrome

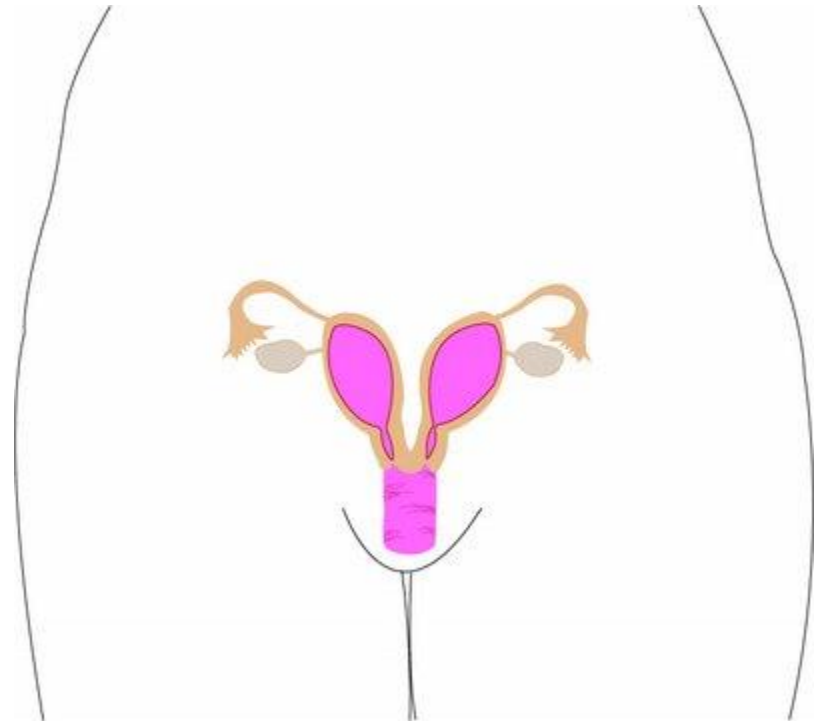


Big kidneys

# Uterine malformations



Bicornuate uterus



Double Uterus

# Gout



# HNF1B

