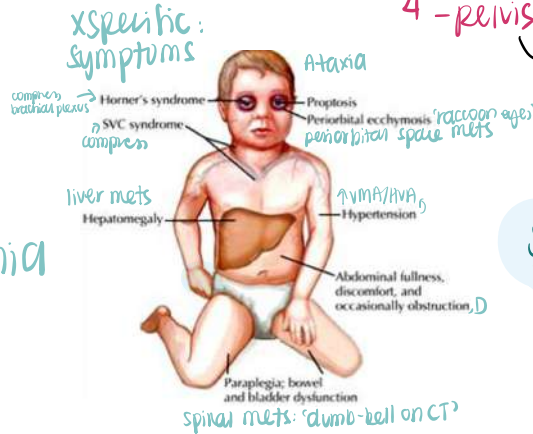


Peds Tumors

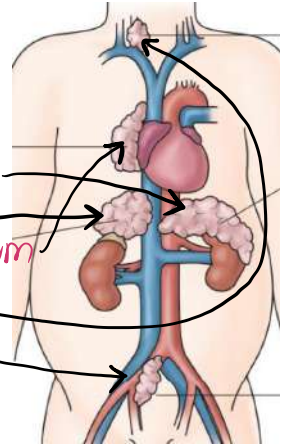
mc intraabdominal:
#1 Neuroblastoma
#2 Nephroblastoma (Wilms')

Neuroblastoma 1-4 yrs

- unpredictable
- < age: better prognosis
- Abdominal mass ^{can cross midline, irregular}
- ↑ sick!
- Bone pain
- Weight loss
- fever, sweating, Anemia



- sites:
- 1 - Adrenal medulla
 - 2 - Symp ganglia
 - 3 - post. mediastinum
 - 4 - pelvis/neck



- dx:
- VMA/HVA ↑ in urine
 - Xray (calcification)
 - US
 - CT/MRI: mets LN/bone/BM/skin/liver
 - biopsy: dark blue round cells 'rosette' around neurofibrillary core 'Homer Wright'

- tx: Sx: resection + chemo
- ↓ risk ↓ only
 - ↳ neoadjuvant: intermediate risk
 - ↳ reoadjuvant + adjuvant: ↑ risk

Shimada: favorable prognosis

- 1 - mitosis ↓
- 2 - Age ↓
- 3 - differentiation ↑
- 4 - Shoma rich

INSS:

- 1 → 4 worse
- 4s: infants w/ distant mets: skin/liver/BM
- spontaneous regression
 - subcutaneous nodules
 - hepato spleno megalia
 - blueberry muffin spots

Wilms' Tumor 3.5 yrs

- better prognosis
- mc renal peds tumor
- < age: poor prognosis
- mc: unilateral, solitary
- mc: sporadic
- Asymptomatic (mc)
- Abdominal pain
- Hematuria
- Abdominal mass ^{smooth, unilateral}
- ↓: fever, VTI, HT, anemia, varicocele, rupture w/ hemorrhage

from metanephric Blastema

- dx:
- US
 - CT/MRI (Renal v. → IVC)
 - Echo (Renal A)
 - Arteriography (preoperative embolization)
 - Xray (X calcification)
 - DMSA - bone/Brain scan (mets)

- tx: chemo & resection
- ↳ nephrectomy
 - ↳ if mets: venotomy/Hepatic or lung metastectomy

prognostic Factors:

- stage ↑
- Histo ×
- Age ↓
- recurrence