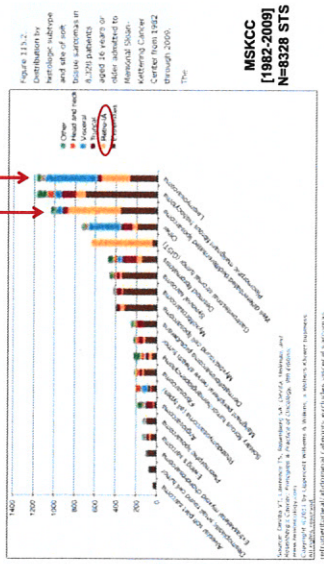
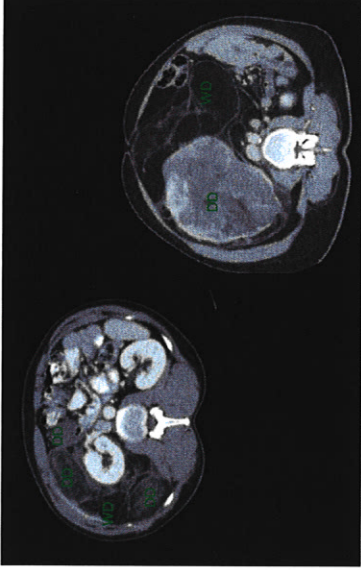


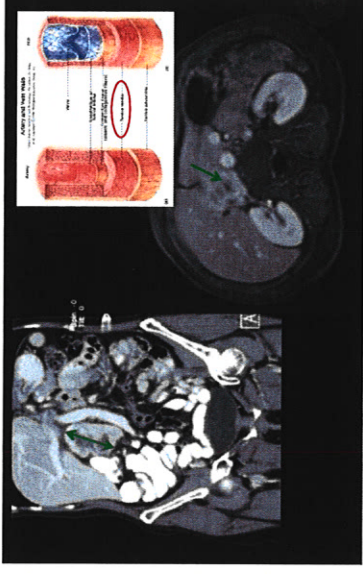
Differential Diagnosis



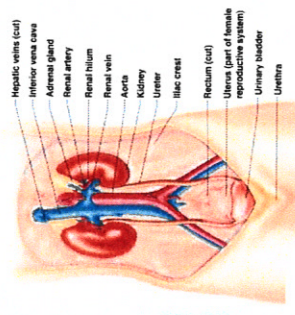
Liposarcoma



Leiomyosarcoma



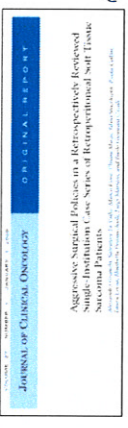
Retroperitoneum



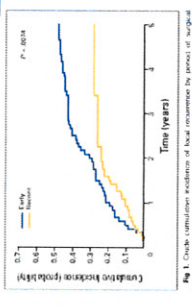
- + n. femoralis
- + diaphragmakoepfels
- + m. psoas
- m. iliacus
- m. quadratus lumborum
- schuine bukspiieren
- + n. ilioinguinalis
- n. iliohypogastricus
- n. genitofemoralis
- n. cutaneus lateralis femoris
- + aa. vv. lumbales

75% of sarcoma-related deaths involve uncontrolled local recurrence

Compartmental Resection?



- ITM N=288 [1985-2001 vs. 2002-2007]

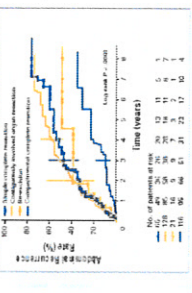


More liberal en-bloc resections → greater local control low-grade tumors !

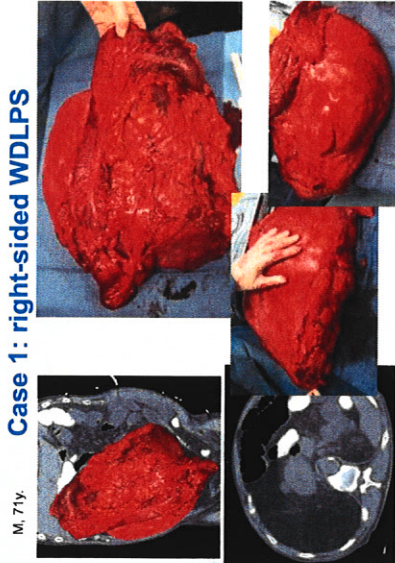
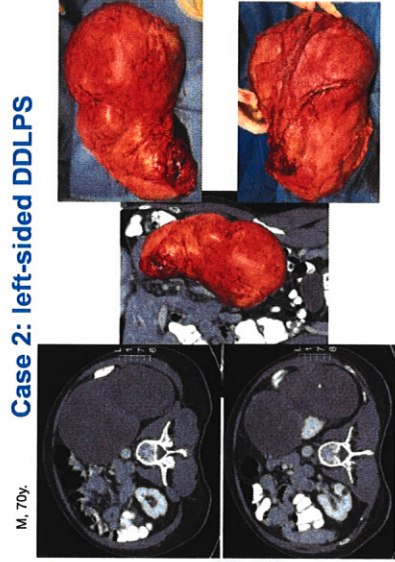
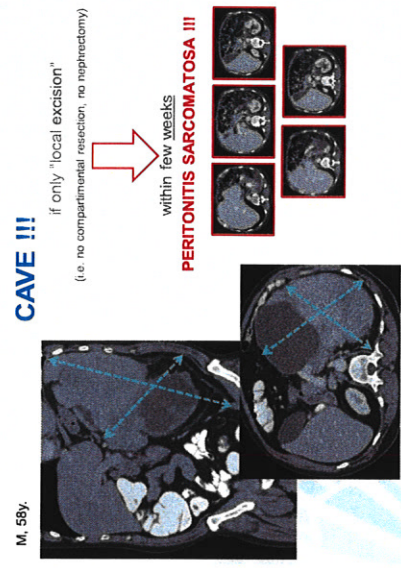
Compartmental Resection?



- French survey (IGR) [1985-2005] N=382



Complete compartmental resection without tumor rupture high-volume center !!!



Radiotherapy?

- Role of RT in treatment of RPS?**
- Retrospective analysis (Borwaisat et al., JCO 2019)
3-year recurrence rate: 49% without RT vs 34% with RT
 - ~~Postoperative?~~ high SAE rate!
 - Preoperative RT?**
 - Tumor in situ → delineation and treatment planning more straightforward
 - Less toxicity
 - Tumor may displace radiosensitive structures outside the treatment field
 - Trials**
 - ACOSOG Z9031 recruitment problems
 - EORTC STRASS

Radiotherapy?

- STRASS-trial** preop. RT + surgery versus surgery only
- 5-year OS: after surgery: 79.4% (95%CI 69.1–86.5) (Borwaisat et al., Lancet Oncol 2020)
after surgery + RT: 76.7% (95%CI 66.9–84.0)
- Similar abdominal recurrence-free survival in both groups
- Subgroups analysis: (CAVE small N !!!)
 - No benefit for LMS and high-grade sarcoma
 - BUT: potential benefit for LPS on low-grade sarcoma → prospective trial
- BUT: trend to benefit for LPS and low-grade sarcoma

