

Small Primary in Metastatic Disease: Is it Worth to be Removed? CON

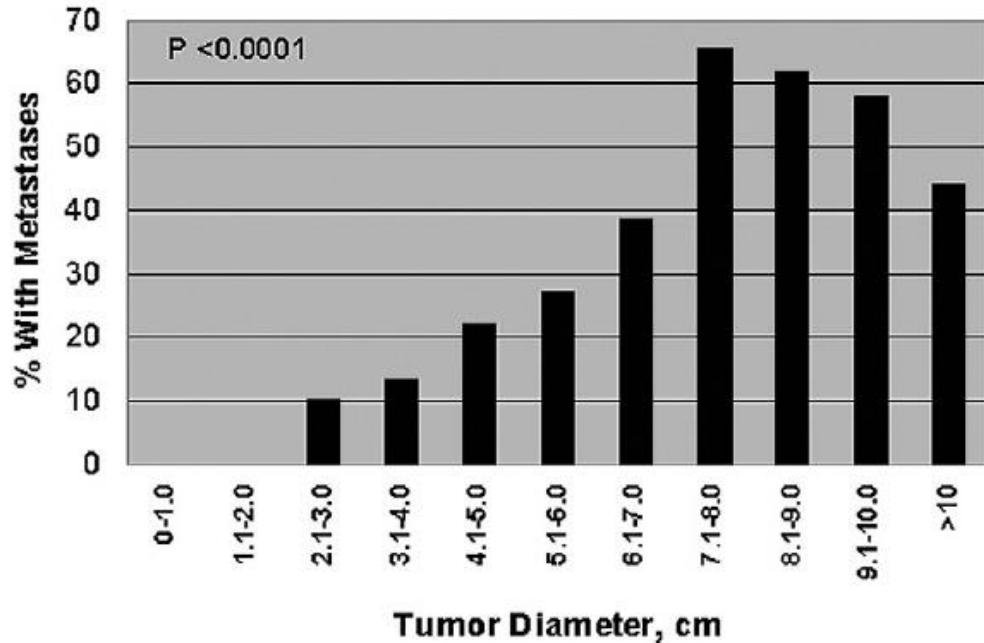
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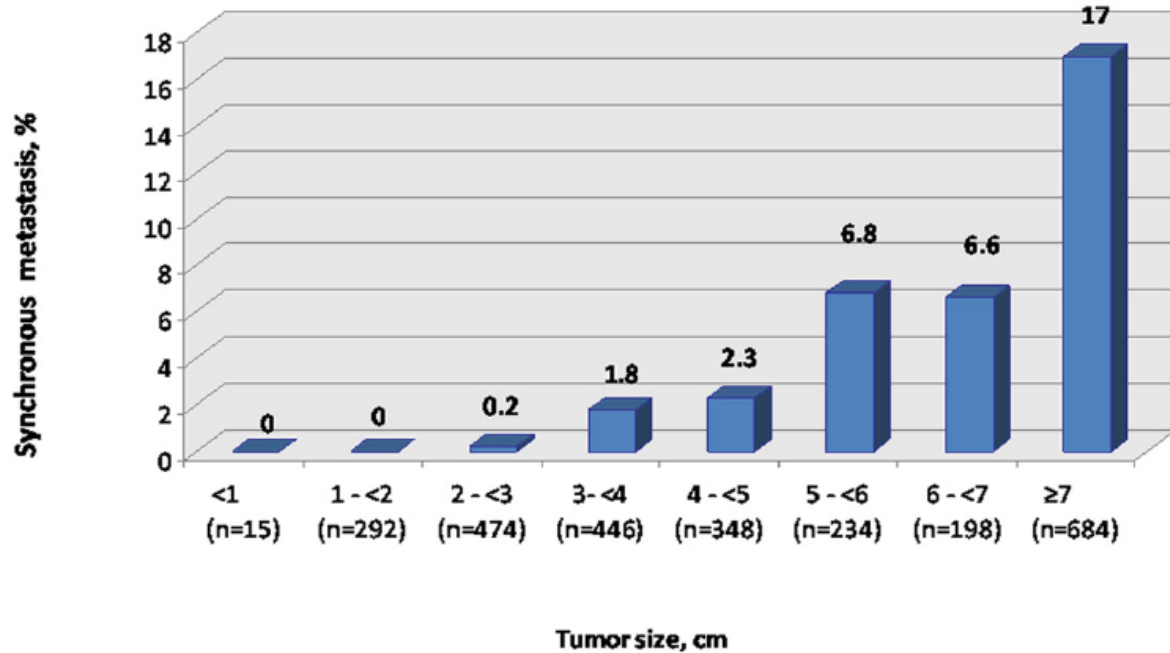
Small primary tumor in mRCC is rare

- The probability of synchronous mRCC increased with increasing primary tumor size (p 0.0001).
- no patients with tumors ≤ 2 cm had confirmed metastatic disease
- <5% of all synchronous metastasis occurred in tumors ≤ 3.0 cm
- the odds of synchronous metastasis increased by 22% for each 1 cm increase in tumor size.



Small primary tumor in mRCC is rare

- 0.2% patients with a tumor <3 cm had mRCC
- 2% of T1a tumors had mRCC
- tumor size was significantly associated with metastasis at presentation
 - for each 1 cm increase OR 1.25, p 0.001.



Characteristics of SRT

- Small primary tumors are usually asymptomatic
- Growth rate of small renal masses is low
 - These features are not in favour of upfront nephrectomy in mRCC
- If we perform a nephrectomy, it means that we are convinced that primary tumor resection will improve survival

Prognostication in mRCC

	Database Consortium model ⁷	CCF model ⁹	French model ^{10,11}	IKCWG model ^{12*}	MSKCC model ¹³
Risk factors					
Karnofsky performance status or ECOG PS	✓	✓	✓	✓	✓
Time from diagnosis to treatment	✓	✓	..	✓	✓
Time from diagnosis to metastasis	✓
Number of metastatic sites	✓	✓	..
Liver metastasis	✓
Previous immunotherapy	✓	..
Haemoglobin concentration	✓	✓	✓
Corrected or uncorrected calcium concentration	✓	✓	..	✓	✓
Neutrophil count	✓	✓
Platelet count	✓	✓
Lactate dehydrogenase concentration	✓	✓
White blood cell count	✓	..
Alkaline phosphatase concentration	✓	..

Tumor size of the primary tumor is not a prognostic factor in mRCC

The Impact of Tumor Burden Characteristics in Patients With Metastatic Renal Cell Carcinoma Treated With Sunitinib

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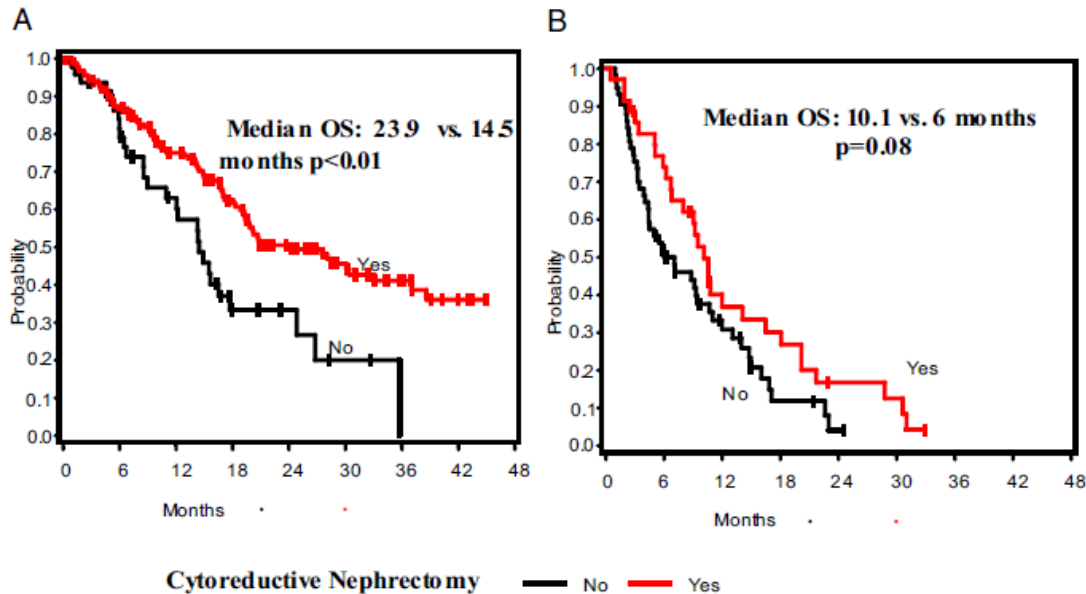
- In case of small primary tumor, it is likely that tumor burden will drive prognostic and survival
- Is outside of the kidney

Therefore, Removing Small Primary Tumor
→ Is even more Debatable than removing
kidney in Metastatic Disease



Uncertainty on the role of nephrectomy in mRCC; Data from retrospective study

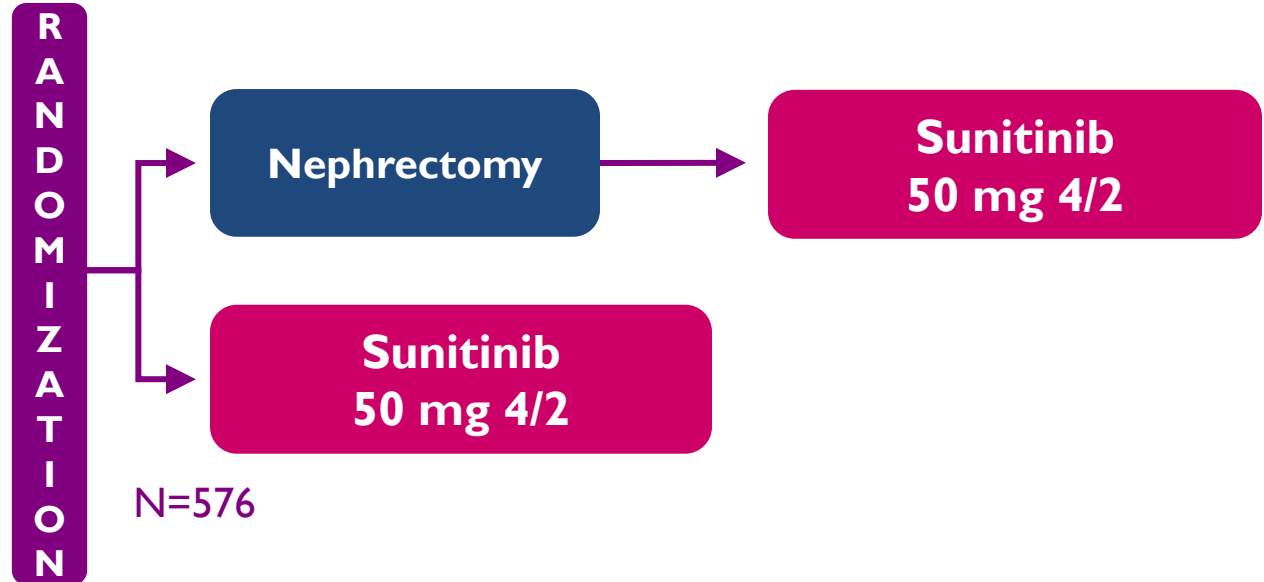
The Impact of Cytoreductive Nephrectomy on Survival of Patients With Metastatic Renal Cell Carcinoma Receiving Vascular Endothelial Growth Factor Targeted Therapy



Uncertainty on the role of nephrectomy in mRCC

Phase 3 Randomized Study Comparing Nephrectomy Plus Sunitinib vs Sunitinib Without Nephrectomy in First-Line Metastatic RCC

Carmena trial

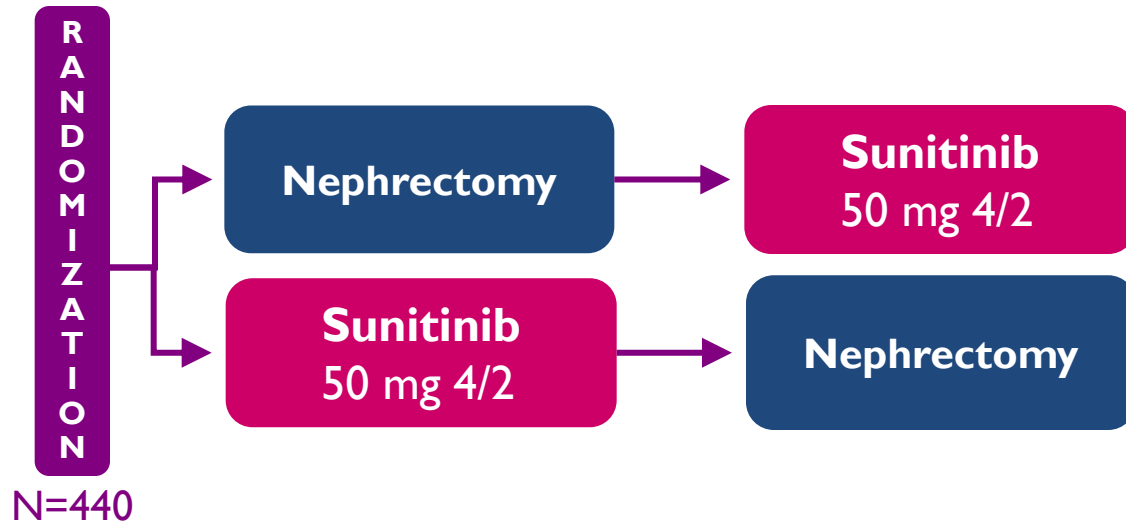


CARMENA Study, PI: Pr Arnaud Mejean (CCAFU – HEGP Hospital – Paris, France)



Uncertainty on the role of nephrectomy in mRCC

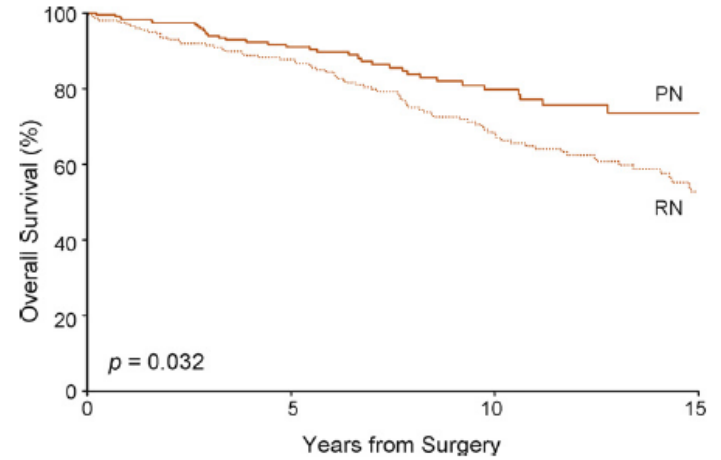
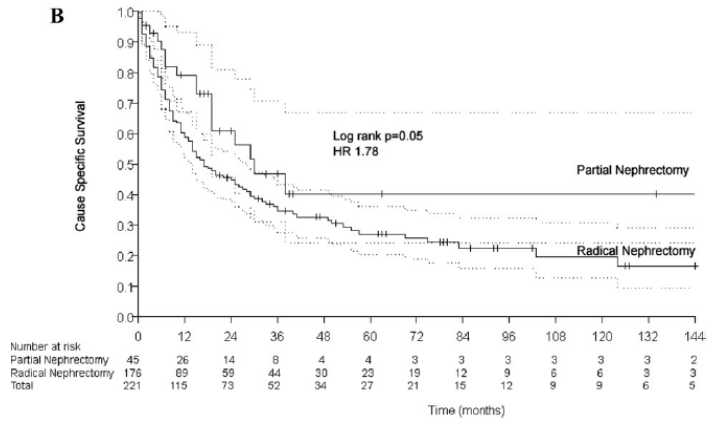
Sunitinib Followed by Nephrectomy in Case of Non-Progressive Metastases Followed by Sunitinib vs Nephrectomy Followed by Sunitinib in Patients With Synchronous Metastatic Renal Cell Carcinoma and the Primary-Tumor-in-Situ



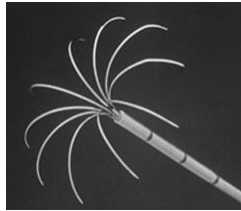
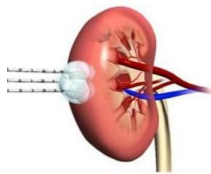
PI: Pr Axel Bex – Netherlands – EORTCGU Group Study



No place for radical nephrectomy



Ablative Treatments are alternative approaches: RFA, Cryo Ablation

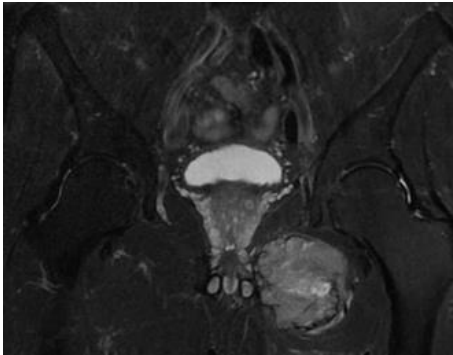
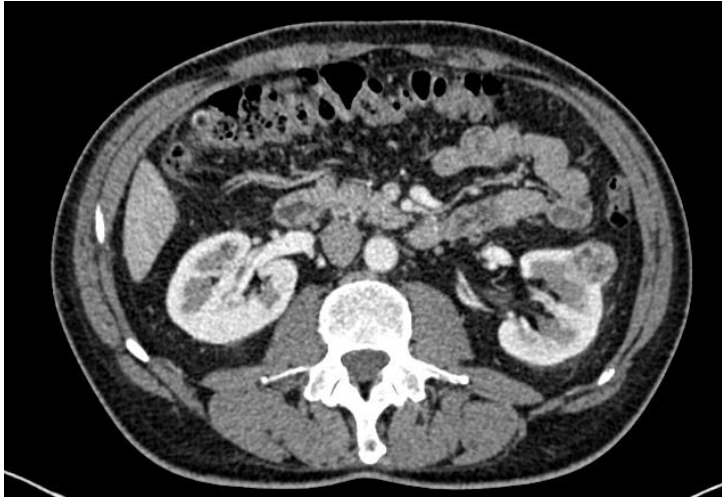


Capitanio et al., Urology, 2008
Kaushik et al., Eur Urol, 2012
Psutka et al., Eur Urol, 2013

Scenarios for small primary tumor resection

- Small primary Tumor and low distant tumor burden (infra centric pulmonary nodules) → PN followed by surveillance, systemic treatment in case of progression
- Small primary Tumor and resectable distant metastases → resection of all tumors and close follow-up until progression
- Rapidly growing renal tumor while other sites are stable under systemic treatment
- Complete response for distant mets and persistent renal tumor → PN

The case for PN in small primary Renal tumor: solitary bone met + SRT



Conclusions

- Upfront nephrectomy in case of small primary mRCC should not be considered as a standard of care.
- In rare cases where primary tumor treatment is needed we should favor
 - Nephron sparing approaches
 - mini invasive approaches (robot PN, Ablative treatment)
- We should encourage, inclusion into clinical trials