



Case Report Form – Retrospective study
MRI-findings – Patient characteristics

STUDY NUMBER .. R
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Type of CMN Classic Cellular Mixed
 Unknown

Age at diagnosis (*months, rounded down*)

Sex Male Female

Bilateral tumor at presentation Yes No

• If yes: Study nr. contralateral tumor NA

Tumor side Right Left

Metastatic disease at diagnosis Yes No NA

• If metastatic disease: Site(s) of metastasis/metastases

Other remarks concerning the patient characteristics and diagnosis:

Case Report Form – Retrospective study
MRI-findings – Imaging characteristics at diagnosis (1)

STUDY NUMBER .. R

Number of lesions on MRI at diagnosis 1 2 More:

• Lesion nr.

Dimensions of the lesion (*three dimensions; cm, one decimal*)

Location of the lesion in the kidney Central Peripheral
 Indistinguishable / Impossible to determine

Regional lymph nodes (enlarged) Yes No NA

Additional information lymph nodes (size, enhancing, etc) NA

Margins Well-defined Ill-defined NA

(Pseudo) capsule Yes No NA

Growth pattern

Breach of the tumor capsule Yes No NA

Evidence of intra-peritoneal tumor spread Yes No NA

Infiltrative growth pattern Yes No NA

Venous invasion / Tumor thrombus Yes No NA

Tumor characteristics of solid components

T2-weighted imaging (*compared to renal cortex*) · Homogeneous Heterogeneous Other:

· Hyper-intense Hypo-intense Iso-intense

T1-weighted imaging (*compared to renal cortex*) · Homogeneous Heterogeneous Other:

· Hyper-intense Hypo-intense Iso-intense

Hemorrhage / Necrosis Yes No NA

• If yes: Limited More extensive

Cysts Yes No NA

• If yes: specification/size of the cysts: NA

• In case of a (completely) cystic tumor: Septation Yes No NA



Case Report Form – Retrospective study
MRI-findings – Imaging characteristics at diagnosis (2)

STUDY NUMBER .. R

• Lesion nr.

Tumor characteristics of solid components (continuation)

- | | | | |
|--|------------------------------|-----------------------------|-----------------------------|
| Fatty tissue | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> NA |
| Subcapsular fluid | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> NA |
| Increased vascularity | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> NA |
| Concentric ring sign / Double-layer sign | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> NA |

Enhancement

- Enhancement pattern
- Homogeneous
 - Heterogeneous
 - Band-like areas of late or non-enhancement
 - No enhancement
 - Other:

Other remarks concerning the characteristics and appearance of the lesion(s):



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MRI-findings – Imaging characteristics at diagnosis (3)

STUDY NUMBER .. R
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• Lesion nr.

DWI-MRI available for review? Yes No

• If yes:

Diffusion restriction of the solid part of the lesion compared to healthy (contralateral) renal tissue Yes No

If available:

b-values used for ADC calculation (*lowest-highest*) b / b

• ADC-value of first representative ROI with tumor tissue ($*10^{-3} \text{ mm}^2/\text{s}$, two decimals)

Dimensions of the first representative ROI Diameter (cm) or Surface (cm²)

• ADC-value of second representative ROI with tumor tissue ($*10^{-3} \text{ mm}^2/\text{s}$, two decimals)

Dimensions of the second representative ROI Diameter (cm) or Surface (cm²)

• ADC-value of third representative ROI with tumor tissue ($*10^{-3} \text{ mm}^2/\text{s}$, two decimals)

Dimensions of the third representative ROI Diameter (cm) or Surface (cm²)

• ADC-value of fourth representative ROI with tumor tissue ($*10^{-3} \text{ mm}^2/\text{s}$, two decimals)

Dimensions of the fourth representative ROI Diameter (cm) or Surface (cm²)