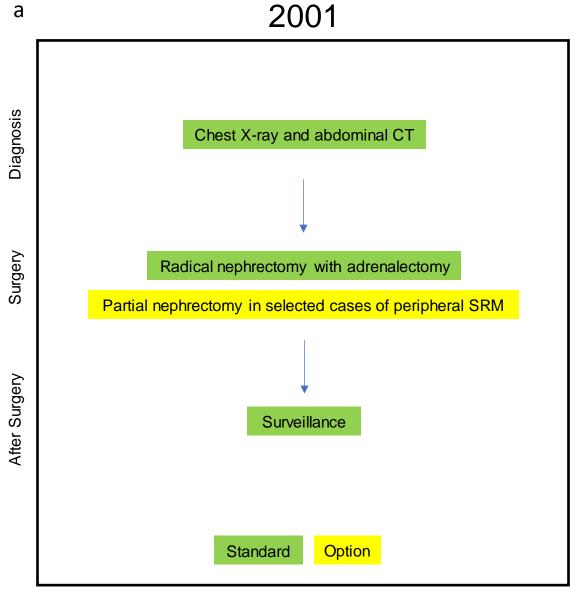
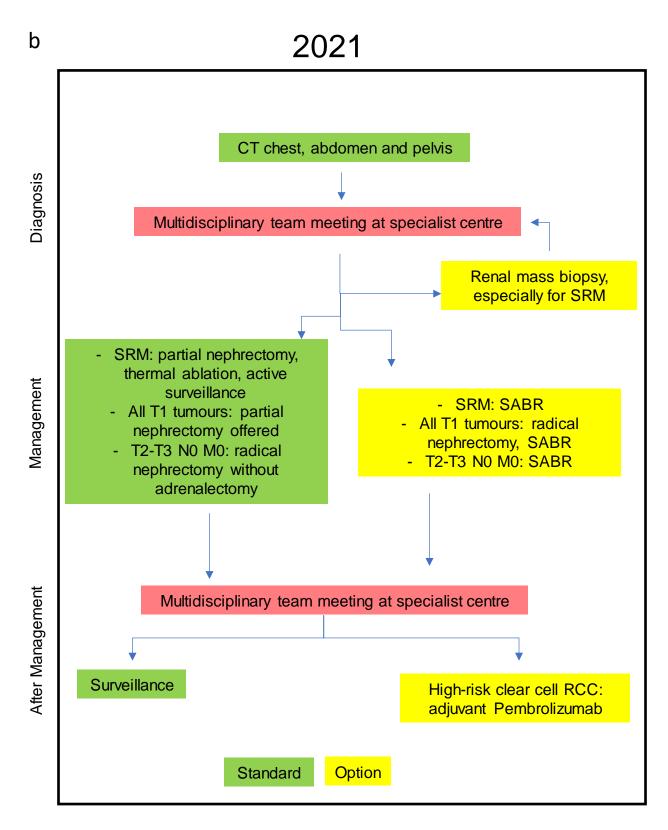
Figure 1



Adapted from: Mickisch et al. Guidelines on renal cell cancer. Eur Urol 2001;40:252-255



Adapted from: Ljungberg et al. EAU guidelines on renal cell carcinoma. http://uroweb.org/guideline/renal-cell-carcinoma, access: 13 November 2021; Bedke et al. 2021 Updated EAU guidelines on the use of adjuvant pembrolizumab for renal cell carcinoma. Eur Urol 2021 (in press); NCCN guidelines version 4.2022 Kidney Cancer. https://www.nccn.org/professionals/physician_gls/pdf/kidney.pdf

Stage	Specialists	Dates	Investigation	History	
DIAGNOSIS	Radiologist Nephrologist Urologist CNS	Aug. 2011	Active surveillance was agreed	72 year-old man with hypertension since the age of 60 and chronic kidney disease (CKD). Serum creatinine was 1.8 mg/dl and eGFR 37 ml/minute/1.73 m²). In August 2011, a routine ultrasound scan (US) of the abdomen showed a left renal cyst with blood flow on colour doppler US. A triple phase CT was performed with hydration, which showed a complex renal cyst (arrow).	
			strateg		
STAGING	Interventional Radiologist Pathologist	Oct. 2014	20 mm	In October 2014, at age 75, another abdominal US, and subsequent CT, showed an increase in size of the left renal cyst with a 4 cm solid component. No other lesions were identified in chest and abdomen.	
	Urologist		A biopsy of the solid element of the complex cyst was agreed upon		
OF PRIMARY	Urologist Nephrologist CNS			The biopsy result was grade 3 (WHO/ISUP) clear cell renal cel carcinoma (ccRCC)	
V O		Jan. 2015	Robot-assisted partial nephrector performed in January 20		
STAGING AND	Pathologist Urologist Nephrologist Nephrologist Nephrologist The histological analysis of the excised 4·5 cm intra-cystic no confirmed the presence of a grade 3 ccRCC with areas of coagulative necrosis, leading to a pT1b, Nx, M0 pathological stage. Post-operative serum creatinine and eGFR were 2 mg, and 31 ml/minute/1.73 m², respectively. With a Leibovich so of 4, the patient was considered as at intermediate risk, with 5- and 10-year metastasis-free survival probability of 73·8% is		le 3 ccRCC with areas of pT1b, Nx, M0 pathological tinine and eGFR were 2 mg/dl ectively. With a Leibovich score as at intermediate risk, with a		

64·3%, respectively.

Figure 3

Points
0
1
0
1
5
4
3
0
0
3

Risk Level (Score)	Risk of Stage 3b CKD
Negligible (0-3)	1%
Low (4-6)	10%
Moderate (7-8)	25%
High (9-10)	50%