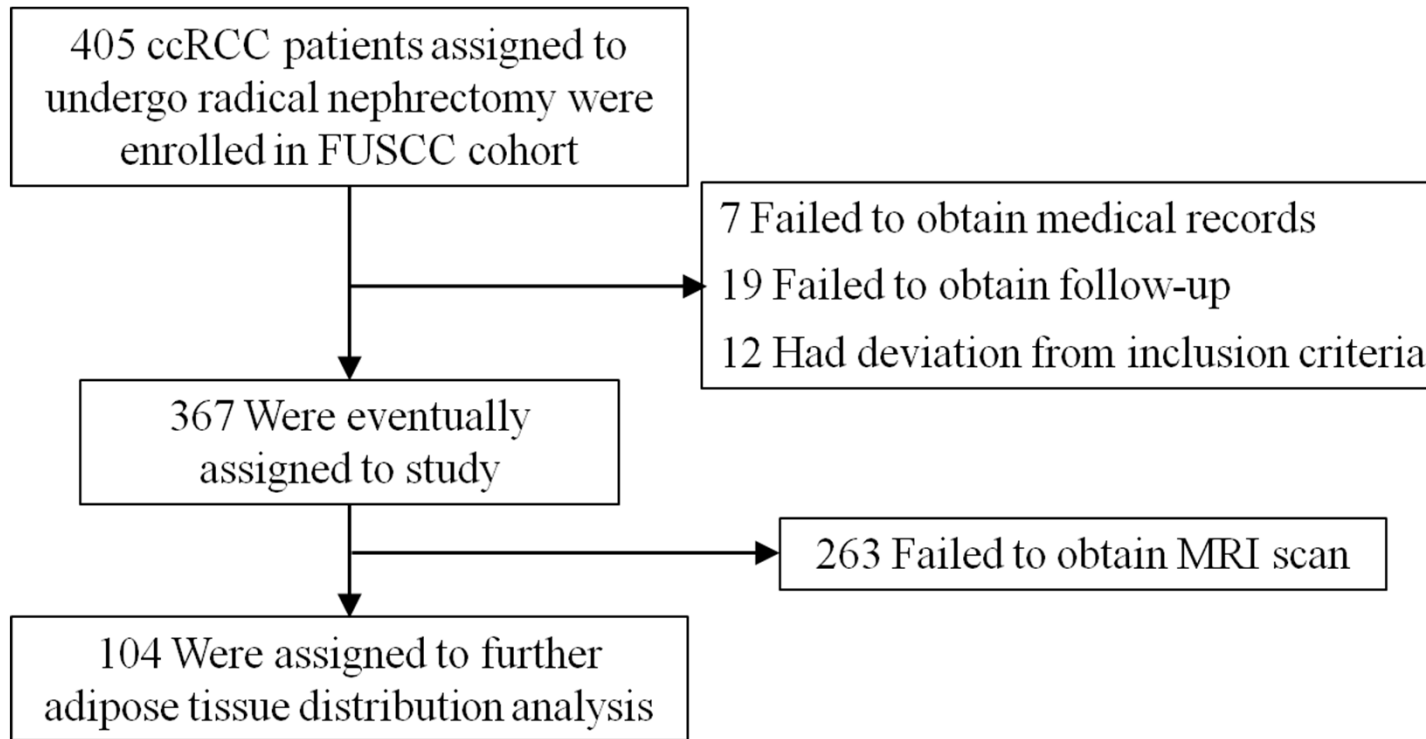


Supplementary Figure 1. Flow chart summarized the criteria for inclusion and exclusion of a total of 405 ccRCC patients in this cohort.



Supplementary Table 1. Univariate and multivariate Cox regression analyses of PFS in 104 cases whose MRI scans were available.

Covariates	Univariate analysis		Multivariate analysis	
	HR (95%CI)	P value	HR (95%CI)	P value
Age at surgery	1.015 (0.991-1.040)	0.230	1.023 (0.992-1.055)	0.146
Sex (male vs. female)	0.703 (0.378-1.308)	0.266	1.440 (0.643-3.223)	0.375
BMI (<25kg/m ² vs. ≥25kg/m ²)	0.939 (0.516-1.706)	0.836	0.994 (0.952-1.038)	0.793
A	0.907 (0.852-0.966)	0.003	1.124 (0.818-1.543)	0.471
P	0.964 (0.911-1.021)	0.212	1.322 (0.956-1.827)	0.092
AP	0.998 (0.988-1.009)	0.796	0.975 (0.930-1.023)	0.298
SAT	0.943 (0.904-0.984)	0.007	1.184 (0.870-1.611)	0.283
VAT%	3.427 (1.488-11.195)	<0.001	2.556 (1.036-6.310)	0.042
Clinical manifestation (incidental vs. symptomatic)	0.949 (0.526-1.715)	0.864	0.772 (0.370-1.612)	0.491
Laterality (left vs. right)	0.906 (0.516-1.589)	0.731	1.008 (0.519-1.955)	0.981
Tumor size	1.146 (1.034-1.270)	0.009	0.899 (0.777-1.040)	0.151
T stage (T1-T2 vs. T3-T4)	5.210 (2.307-11.766)	<0.001	2.164 (1.029-4.550)	0.042
N stage (N0 vs. N1)	6.700 (3.263-13.747)	<0.001	6.519 (1.867-22.759)	0.003
M stage (M0 vs. M1)	9.631 (4.964-18.687)	<0.001	20.911 (8.024-54.495)	<0.001
ISUP grade (1-2 vs. 3-4)	1.777 (0.964-3.277)	0.065	0.288 (0.070-1.182)	0.084
CD36 expression (Low vs. middle)	3.513 (1.849-6.672)	<0.001	2.578 (1.276-5.209)	0.008
CD36 expression (low vs. high)	4.544 (1.977-10.444)	<0.001	2.623 (1.088-6.324)	0.032

Abbreviations: PFS, progression-free survival; MRI, magnetic resonance imaging; BMI, body mass index; ISUP, International Society of Urological Pathology.

Supplementary Table 2. Univariate and multivariate Cox regression analyses of OS in 104 cases whose MRI scans were available.

Covariates	Univariate analysis		Multivariate analysis	
	HR (95%CI)	P value	HR (95%CI)	P value
Age at surgery	1.024 (0.992-1.056)	0.139	1.044 (0.997-1.093)	0.066
Sex (male vs. female)	0.865 (0.407-1.836)	0.705	0.935 (0.428-2.040)	0.865
BMI (<25kg/m ² vs. ≥25kg/m ²)	0.842 (0.396-1.790)	0.655	0.662 (0.267-1.641)	0.373
A	0.921 (0.854-0.993)	0.032	1.346 (0.866-2.092)	0.187
P	0.958 (0.887-1.035)	0.277	1.380 (0.908-2.096)	0.131
AP	0.998 (0.985-1.011)	0.744	0.942 (0.879-1.008)	0.086
SAT	0.945 (0.898-0.995)	0.032	0.935 (0.875-0.999)	0.046
VAT%	3.150 (1.940-9.513)	0.005	3.291 (1.034-10.477)	0.044
Clinical manifestation (incidental vs. symptomatic)	0.779 (0.359-1.694)	0.529	0.374 (0.126-1.106)	0.075
Laterality (left vs. right)	1.035 (0.511-2.098)	0.924	1.584 (0.639-3.928)	0.320
Tumor size	1.117 (0.985-1.266)	0.085	0.761 (0.623-0.928)	0.007
T stage (T1-T2 vs. T3-T4)	6.961 (2.980-16.261)	<0.001	2.526 (0.826-7.722)	0.104
N stage (N0 vs. N1)	8.092 (3.656-17.908)	<0.001	28.315 (5.206-153.987)	<0.001
M stage (M0 vs. M1)	11.725 (5.532-24.850)	<0.001	39.736 (11.637-135.680)	<0.001
ISUP grade (1-2 vs. 3-4)	1.876 (0.862-4.081)	0.113	0.646 (0.138-3.016)	0.578
CD36 expression (Low vs. middle)	0.754 (1.204-6.300)	0.016	2.325 (0.991-5.455)	0.053
CD36 expression (low vs. high)	4.053 (1.508-10.895)	0.006	3.626 (1.332-9.868)	0.012

Abbreviations: OS, overall survival; MRI, magnetic resonance imaging; BMI, body mass index; ISUP, International Society of Urological Pathology.