

Table 1 The benign and malignant diagnosis results of different pathological types of atypical renal tumors by CEUS and MRI alone and in combination

Pathological type	sum	CEUS		MRI		CEUS+MRI	
		+	-	+	-	+	-
RAML	16	1	15	3	13	1	15
CGD	12	0	12	2	9	0	12
hematoncus	11	1	10	4	7	1	10
Renal fibroma	9	1	8	3	6	1	8
RSBC	7	0	7	1	6	0	7
Renal hemangioma	5	0	5	2	3	0	5
duplex kidney	1	1	0	1	0	1	0
RCCC	28	0	28	0	28	0	28
ccpRCC	17	0	17	0	17	0	17
LMS	15	1	14	1	14	1	14
MCRCC	7	2	5	2	5	2	5
fibrosarcoma	5	2	3	0	5	0	5
MC	3	3	0	1	2	1	2

RAML: renal angiomyolipoma; CGD:Chronic granuloma of the kidney;
 RSBC:Renal sinus blood clot; RCCC:renal clear cell carcinoma;
 ccpRCC: Papillary renal cell carcinoma; LMS:Renal leiomyosarcoma
 MC: Renal medullary carcinoma;Conformity : +; disconformity: -;

Table 2. Differentiation of benign and malignant of atypical renal tumors by CEUS and MRI alone and in combination

pathological	Test	malignancy	carcinoid
renal malignancies (75)	CEUS	67	8
	MRI	71	4
	MRI+CEUS	71	4
Benign renal tumors (61)	CEUS	4	57
	MRI	16	45
	MRI+CEUS	4	57

Table 3 The sensitivity, specificity, accuracy, positive predictive value and negative predictive value of CEUS and MRI alone and in combination in the diagnosis of benign and malignant atypical renal tumors

Test	sensitivity	specificity	accuracy	positive	negative
				predictive value	predictive value
CEUS	94.42%	87.69%	91.18%	89.33%	93.44%
MRI	81.63%	91.84%	85.29%	94.67%	73.77%
MRI+CEUS	94.67%	93.44%	92.65%	94.67%	93.44%

Table 4 Comparison of benign and malignant differentiation of atypical renal tumors by CEUS alone or combined with MRI

Test	Conformity	disconformity
CEUS	124	12
MRI	116	20
CEUS+MRI	128	8