

Table 1: Demographic and Pathologic Characteristics Between CDRCC and CCRCC

	CDRCC N (%)	CCRCC N (%)	p-value
<i>Total cases</i>	160	33,252	
<i>Demographics</i>			
Age			0.44
< 50	32 (20)	5,222 (16)	
51 – 59	36 (23)	7,634 (23)	
60 – 69	39 (24)	8,606 (26)	
70 – 79	31 (19)	7,853 (24)	
80 +	22 (14)	3,937 (12)	
Race			< 0.001
White	112 (70)	28,495 (86)	
Black	36 (23)	2,849 (9)	
Other	12 (8)	1,759 (5)	
Gender			0.03
Male	112 (70)	20,502 (62)	
Female	48 (30)	12,750 (38)	
Year of Diagnosis			0.44
2001	26 (16)	6,287 (19)	
2002	25 (16)	6,284 (19)	
2003	40 (25)	6,655 (21)	
2004	36 (23)	6,899 (21)	
2005	33 (21)	7,127 (21)	
<i>Pathologic Characteristics</i>			
Tumor size – median (range)			
Stage			< 0.001
T1a	42 (26)	11,008 (33)	
T1b	17 (11)	6,669 (20)	
T2	16 (10)	4,052 (12)	
T3/4	53 (33)	5,952 (18)	
No Tstage	32 (20)	5,571 (17)	
SEER stage			< 0.001
Localized	68 (43)	20,803 (63)	
Regional	45 (28)	5,330 (16)	
Distant	44 (28)	5,705 (17)	
Unstaged	3 (2)	1,414 (4)	
Nodal status			<0.001
N0	13 (8)	3,523 (10.6)	

N1	24 (15)	765 (2)	
Nx	123 (77)	28,964 (87)	
Metastatic	44 (28)	5,705 (17)	0.001
Grade			< 0.001
Well differentiated	10 (10)	3,610 (18)	
Moderately differentiated	20 (20)	10,612 (52)	
Poorly/undifferentiated	70 (70)	6,384 (31)	
Surgery	135 (84)	25,969 (78)	0.06

Table 2: Disease Specific Survival Multivariate Analysis *

	CCRCC		CDRCC	
	HR	95% CI	HR ^	95% CI
All Patients	1.00	referent	2.42	1.72 – 3.39
Surgery patients only	1.00	referent	2.72	1.94 – 3.84
≤T3a and non-metastatic	1.00	referent	2.50	1.81 – 3.45
Only high-grade CCRCC	1.00	referent	2.15	1.42 – 3.24

* Adjusted for age, race, gender, year of diagnosis, registry, stage, grade, surgery, tumor size

^ p < 0.001

Table 3: Comparison of largest series on Collecting Duct Carcinoma

	American Series Present study	Japanese Series Tokuda, et al.	European Series Karakiewicz, et al.
Cases	160	81	41
Age (median)	62	58	61
Male (%)	70	72	76
African American (%)	23	not provided	not provided
T3 or greater (%)	38	57	81
Node positive (%)	15	33	49
Distant metastasis (%)	28	32	20
High grade (%)	70	99	78
Surgical management (%) *	84	99	100
1-yr DSS	70	69	86
3-yr DSS	58	45	68 ^
HR for DSS compared to CCRCC	2.4	not provided	1.1

* High grade for Japan/European series is Furman Grade 3 or 4; For present series, high grade includes SEER grades poorly and undifferentiated.

^ estimated from Kaplan Meier curve