

Diagnosis and management of intradiverticular bladder tumours: A pooled analysis of 498 cases

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DATA BASE EXTRACTED BY STUDIES INCLUDED IN THE SYSTEMATIC REVIEW

	Sample	Sex	Age	Diagnosis	Symptoms	Tumor localization	Stage	Histopathology	Treatment	Recurrence
Knappenberger (1960) (4)	18	Male:17 Female:1	Mean:6 6	IV/CTU:15 C/S:10	Gross/micro hematuria, Loss of weight, pain	L0:6 R0:5 LLW:2 RLW:5	G1:4 G2:5 G3:4	TCC:14 SCC:2	DC:12	2
Baniel (1997) (5)	8	NR	Mean:6 8.6	IV/CTU:6 C/S:8	Gross hematuria, dysuria	NR	G1:2 G2:2 G3:4 Ta:5 T1:3 T1HG:3	TCC:8	TURBT:3 DC:2 PC:2	2
Garzotto (1996) (6)	9	Male:9	NR	IV/CTU:9 C/S:9	Gross hematuria, obstructive symptoms	NR	NR	TCC:9	DC:8, NAC:2 AC:2, Radiation:1	5
Montague (1976) (7)	10	Male:10	Mean:6 6.7	IV/CTU:10	Gross hematuria, UTI	NR	G1:1 G2:4 G3:4	TCC:8 SCC:2	TURBT:1 DC:6, AC:1, RC:1	3
Redmann (1976) (8)	2	Male:2	Mean:6 2	C/S:2 retrograde cystography: 2	Gross hematuria, obstructive symptoms, urinary retention	RLW:1 PW:1	G1:1	TCC:1 SCC:1	TURBT:2 RC:1	NR
Raheem (2011) (9)	1	Male	55	CT, MRI, C/S	Gross hematuria	R0	TaG1	TCC	TURBT+IVT, PC	Yes
Faysal (1981) (10)	12	Male:10 Female:2	NR	IV/CTU:2	Gross hematuria, obstructive symptoms, UTI	NR	G2:4 G3:4 CIS:1	TCC:10 SCC:2	TURBT:2 DC:10 Radiation:2	6
Kelalis (1967) (1)	19	Male:19	Mean:6 4.3	IV/CTU:19 C/S:15 retrograde cystography: 8	Gross/micro hematuria, LUTS, pain	NR	NR	TCC:12 SCC:8 Sarcomatoid:1	TURBT:7 PC:9, RC:4 Radiation:6	1
Voskuilen (2018) (11)	115	Male:110 Female:5	Mean:6 9.5	NR	NR	NR	CIS:34	TCC:115	PC:81, RC:34 NAC:13, AC:16 Radiation:9	43
Kong (2013) (12)	36	NR	Mean:6 6.6	NR	NR	NR	Ta:8 T1:15 T3:7 LG:7 HG:29 CIS:6	TCC:33 SCC:1 Adenocarcinoma: 1	RC:8	NR
Boung (2016) (13)	17	Male:17	Mean:4 9.8	NR	Gross hematuria	NR	CIS:3	TCC:15 Adenocarcinoma: 1	TURBT+IVT:1 DC:11 RC:5	1
Melekos (1987) (14)	8	Male:8	Mean:7 4	IV/CTU:5 C/S:3	Gross hematuria, UTI	NR	G1:2 G2:2 G3:3	TCC:7 SCC:1	TURBT:1 TURBT+IVT:3 DC:3, PC:1 Radiation:1	3
Di Paolo (2015) (15)	34	Male:32 Female:2	Mean:6 7	IV/CTU:34 C/S:34	Gross hematuria	NR	LG:3 HG:31	TCC:29 SCC:1 Adenocarcinoma: 1 Sarcomatoid:1	TURBT:10 TURBT+IVT:6 PC:5, RC:13	NR

Golijanin (2013) (16)	39	Male:36 Female:3	Mean:8 6.2	NR	Hydronephrosis	NR	Ta:12 T1:13 LG:16 HG:23 CIS:1	TOC:39	TURBT:17 PC:13, RC:9	NR
Zhong (2014) (17)	22	Male:21 Female:1	Mean:8 8.6	NR	NR	LLW:7 RLW:7 Dome:1 Base:1 AW:1, PW:1 Trigone:1	Ta:9 T1:8 T3:5 CIS:6	TOC:19 Small cell carcinoma:3	TURBT:9 PC:4, RC:6 DC:3	11
Hu (2014) (18)	77	Male:77	Mean:8 8.1	NR	NR	NR	T2:32 LG:2 HG:75	TOC:77	RC:77	NR
Yu (2013) (19)	14	Male:21 Female:1	Mean:8 6.4	IV/CTU:12 CT:13 C/S:12 U/S:12 Urine cytology:12	Gross hematuria, obstructive symptoms, LUTS, frequency, dysuria, UTI	NR	G2:4 G3:3	TOC:13 SCC:1	PC:8, RC:3 DC:3	2
Md Noh (2017) (20)	1	Male	74	IV/CTU CT, C/S U/S	Gross hematuria, obstructive symptoms, Hydronephrosis, loss of weight	NR	NR	TOC	NR	NR
Sah (2021) (21)	1	Male	66	CT, C/S U/S	micro hematuria, LUTS, frequency, dysuria	RLW	HG	NR	RC	NR
Al-Hajjaj (2021) (22)	1	Male	59	CT, C/S U/S	Gross hematuria, obstructive symptoms, Hydronephrosis	NR	T3	TOC	NR	NR
Dong (2013) (23)	1	Male	50	CT, C/S	Gross hematuria	NR	T4	Small cell carcinoma	PC	Yes
Grubišić (2011) (24)	1	Male	68	IV/CTU C/S	Gross hematuria	NR	NR	Sarcomatoid	DC	Yes
Ihwani (2008) (25)	1	Male	74	CT, C/S	Gross hematuria	LO	T1HG	TOC	DC	NR
Abdulrahman (2022) (26)	1	Male	56	CT, C/S, urine cytology, U/S	Gross hematuria	RO	T3	TOC	RC	NR
Sousa Escandón (2000) (27)	1	Male	69	CT, C/S	Gross hematuria	NR	T3	Sarcomatoid	RC	NR
Rabin (1991) (28)	1	Male	49	C/S, retrograde cystography	NR	NR	NR	TOC	DC	NR
Shah (1997) (29)	1	Male	69	IV/CTU CT, C/S	Gross hematuria, urinary retention	PW	NR	NR	DC	NR
Moussa (2018) (30)	1	Male	77	CT, C/S	Gross hematuria	NR	HG	TOC	PC	NR
Toni (2021) (31)	1	Male	64	C/S	NR	NR	T1HG	TOC	PC	NR
Tsuboi (2019) (32)	1	Male	76	C/S, MRI	Gross hematuria	NR	T3	SCC	PC, AC, Radiation	NR
Elands (2014) (33)	1	Male	84	IV/CTU C/S MRI retrograde cystography, urine cytology	Gross hematuria	PW	T1HG, G3	TOC	DC	NR
Höcker (2015) (34)	1	Male	59	CT, C/S U/S	Gross hematuria	NR	T3 HG, G3	NR	Chemotherapy	NR
El Abiad (2005) (35)	1	Male	65	C/S, MRI U/S	Gross hematuria Hydronephrosis	PW	NR	SCC	TURBT, AC Radiation	NR
Ömeroglu (2006) (36)	1	Male	65	CT, C/S	Gross hematuria, Pain,	RLW	NR	Sarcomatoid	RC	NR

Dunlee (1997) (37)	1	Male	72	IV/CTU CT, C/S MRI, U/S	Gross hematuria LUTS, frequency, dysuria	LRL	NR	TOC	TURBT, RC	NR
Motta (2005) (38)	1	Male	56	IV/CTU CT, C/S	Gross hematuria	NR	HG, CIS	TOC	DC	NR
Madison (1948) (39)	1	Male	83	NR	Gross hematuria	NR	NR	SOC	TURBT	NR
Garcia Figureiras (2000) (40)	1	Male	69	IV/CTU CT, C/S U/S	Gross hematuria	PW	NR	Sarcomatoid	RC	NR
Lembo (2016) (41)	1	Male	77	CT, C/S	Gross hematuria, Pain, LUTS, dysuria	NR	NR	Sarcomatoid	TURBT, DC	NR
Dragsted (1985) (42)	1	Male	73	IV/CTU CT, C/S U/S, urine cytology	Gross hematuria obstructive symptoms	LLW	G3	TOC	TURBT	NR
Knezevic (2014) (43)	1	Male	56	CT, C/S U/S	Gross hematuria	NR	NR	SOC	DC	NR
Fu (2015) (44)	1	Male	67	CT, C/S urine cytology	Gross hematuria	NR	NR	Adenocarcinoma	TURBT, RC	NR
Labonaris (2009) (45)	1	Male	65	C/S, U/S	Gross hematuria LUTS	LLW	T3G3	Small cell carcinoma	PC, AC Radiation	NR
Özguven (2014) (46)	1	Male	66	CT, U/S, C/S	Gross hematuria	NR	NR	TOC	TURBT	NR
Nambu (1988) (47)	1	Male	74	urine cytology	Micro hematuria	NR	NR	SOC	TURBT	NR
Segel (1974) (48)	3	Male:3	Mean:6 7	IV/CTU C/S, retrograde cystography	Gross hematuria LUTS	NR	G3:1	TOC:3	TURBT:1 DC:2 Radiation: 1	3
Muellner (1946) (49)	1	Male	60	IV/CTU C/S	Gross hematuria	NR	NR	SOC	DC	NR
Wang (2007) (50)	1	Male	56	IV/CTU CT, C/S U/S	NR	RLW	TaG2	TOC	TURBT, PC	Yes
Holck (1983) (51)	1	Male	75	IV/CTU C/S	Gross hematuria LUTS, dysuria	NR	NR	SOC	DC	Yes
Tudor (2014) (52)	1	Male	66	C/S	Gross hematuria, Pain	NR	NR	Small cell carcinoma	TURBT	NR
Evans (2002) (53)	1	Male	82	C/S, U/S	Gross hematuria	LLW	NR	Small cell carcinoma	TURBT, DC Radiation	Yes
Moinzadeh (2003) (54)	1	Male	69	CT, C/S urine cytology	Gross hematuria	RO	NR	Adenocarcinoma	TURBT, DC	NR
Cramer (1981) (55)	1	Male	69	IV/CTU C/S	Gross hematuria LUTS, dysuria, frequency, UTI	RO		Small cell carcinoma	TURBT, DC	NR
Pearman (1948) (56)	1	Male	76	NR	Gross hematuria	LO	NR	TOC	DC	NR
Bjerklund Johansen (1988) (57)	2	Male:1 Female:1	Mean:5 9.5	IV/CTU C/S, CT	Micro hematuria LUTS	PW:2	TaG1:1 CIS	TOC:1 SOC:1	DC, RC	2
Mayer (1954) (58)	8	Male:7 Female:1	Mean:6 6.12	C/S, retrograde cystography	Gross hematuria LUTS, dysuria, frequency	LLW:2 RLW:1 Base:1	G1:3 G2:2 G3:2	TOC:8	TURBT:2 DC:3 Radiation: 1	4
Shigehara (2008) (59)	1	Male	77	CT, C/S urine cytology	Gross hematuria	PW		Adenocarcinoma	TURBT, PC	NR
Agarwal (1956) (60)	1	Male	59	IV/CTU C/S, urine cytology	Gross hematuria	NR	G3	TOC	TURBT, PC	Yes
Mital (2017) (61)	1	Male	60	IV/CTU C/S, MRI U/S, urine cytology	Obstructive symptoms, hydronephrosis	NR	T2HG	TOC	AC, RC	NR

IV/CTU=intravenous/computerized tomography urography; C/S=cystoscopy; LO=left onifice; RO=right onifice; LLW=left lateral wall; RLW=right lateral wall
PW=posterior wall; AW=anterior wall; DC= diverticulectomy; RC= radical cystectomy; PC=partial cystectomy; TURBT-IVT-TURBT+ intravesical therapy
TOC=transitional cell carcinoma; SOC=squamous cell carcinoma; LUTS= lower urinary tract symptoms; NR= not reported