

Table (1): Patient's characteristics

Characteristics	Number	Percentage (%)
Age		
≤65 years	43	69.35
>65 years	19	30.65
Gender		
Females	23	37.10
Males	39	62.90
Smoking		
No	21	33.87
Yes	20	32.26
Unknown	21	33.87
Bilharziasis		
No	32	51.61
Yes	3	4.84
Unknown	27	43.55
Hypertension		
No	36	58.06
Yes	9	14.52
Unknown	17	27.42
DM		
No	42	67.74
Yes	6	9.68
Unknown	14	22.58

Table (2): disease characteristics of studied populations

Characteristics	Number	Percentage (%)
Surgical pathological type		
SCC	24	38.71
TCC	38	61.29
Surgical pathological grade		
Grade 1	5	8.06

Grade 2	21	33.87
Grade 3	36	58.06
T stage		
T2b	14	22.58
T3a	9	14.52
T3b	29	46.77
T4a	10	16.13

Table (3): treatment characteristics

Treatment given	Number	Percentage (%)
Surgery		
Anterior pelvic exenteration	12	19.35
Radical cystectomy	50	80.65
Diversion type		
Neo bladder	19	30.64
Uretero colic	11	17.75
Uretro cutaneous	32	51.61
Post-operative radiotherapy 50 CGY /25 fraction /5 weeks	62	100 %
Concurrent chemotherapy		
No	30	48.39
yes	32	51.61
Type of used chemotherapy		
Weekly Carboplatin	8	25
Weekly cisplatin	24	75
Duration of radiotherapy/day		
≤40	35	56.45
>40	27	43.55

Table (4): Toxicity in studied populations

Characteristics	Number	Percentage (%)
Toxicity		
No	14	22.58
Yes	48	77.41
Acute intestinal toxicity		
No	21	33.87
Yes	41	66.13

Chronic intestinal toxicity		
Yes		
No	3	4.83
	59	95.16
Acute skin toxicity		
No	47	75.81
Yes	15	24.19
Chronic skin toxicity		
No	62	100
Acute urinary toxicity		
No	50	80.65
Yes	12	12.90
Chronic urinary toxicity		
No	54	87.1
Yes	8	12.9

Table (5): local recurrence and distant metastasis in studied population

Characteristics	Number	Percentage (%)
Local recurrence		
No	60	96.77
Yes	2	3.23
Distant metastasis		
No	54	87.10
Bone	4	6.45
Liver	1	1.61
Lung	3	4.84
Death		
No	36	58.06
Yes	26	41.94

Table (6): Overall survival of studied cases and its relation to different factors

Factors	Number	Cum survival at 2 yrs %	Cum survival at 3 yrs %	Cum survival at 5 yrs %	P-value
Whole group	62	66.09	64.25	53.41	
Age					
≤65 years	43	76.74	74.19	66.53	0.001
>65 years	19	42.11	42.11	22.46	
Gender					

Females	23	65.22	65.22	53.51	0.93
Males	39	66.57	63.67	52.90	
Smoking					
No	21	47.62	47.62	31.75	0.06
Yes	20	70.00	64.62	57.44	
Unknown	21	80.95	80.95	67.25	
Bilharziasis					
No	32	50.00	50.00	34.29	0.01
Yes	3	66.67	33.33	33.33	
Unknown	27	85.19	85.19	74.71	
Surgical pathological type					
SCC					
TCC	24	53.85	48.95	37.30	0.04
	38	73.68	73.68	63.77	
Surgical pathological grade					
Grade 1					
Grade 2	5	100	100	100	0.23
Grade 3	21	57.14	57.14	50.79	
	36	66.67	63.64	47.25	
T stage					
T2b	14	57.14	57.14	57.14	0.34
T3a	9	88.89	76.19	76.19	
T3b	29	55.17	55.17	45.14	
T4a	10	90.00	90.00	56.52	
Duration of radiotherapy/day					
≤40	35	62.86	59.86	49.37	
>40	27	70.18	70.18	60.15	0.45
Concurrent chemo therapy					
Yes	32				
No	30				0.07

Table (7): Diseasefree survival of studied cases and its relation to different factors

Factors	Number	Cum survival at 2 yrs %	Cum survival at 3 yrs %	Cum survival at 5 yrs %	P-value
Whole group	62	86.07	83.10	79.32	

Age					
≤65 years	43	91.65	87.66	82.79	0.12
>65 years	19	68.63	68.63	68.63	
Gender					
Females	23	85.52	85.52	77.75	0.78
Males	39	86.27	80.88	80.88	
Smoking					
No	21	82.54	68.78	68.78	0.32
Yes	20	87.50	87.50	87.50	
Unknown	21	89.16	89.16	81.73	
Bilharziasis					
No	32	84.08	74.73	74.73	0.25
Yes	3	50.00	50.00	50.00	
Unknown	27	91.83	91.83	86.09	
Surgical pathological type					
SCC					0.04
TCC	24	74.41	66.97	66.97	
	38	93.38	93.38	86.71	
Surgical pathological grade					
Grade 1					0.28
Grade 2	5	100	100	100	
Grade 3	21	77.54	69.79	69.79	
	36	88.26	88.26	78.45	
T stage					
T2b	14	77.78	62.22	62.22	0.74
T3a	9	87.50	87.50	87.50	
T3b	29	87.67	87.67	87.67	
T4a	10	90.00	90.00	67.50	
Duration of radiotherapy/day					
≤40					0.23
>40	35	83.56	79.16	74.22	
	27	89.72	89.72	89.72	

Table (8): distantmetastasis free survival of studied cases and its relation to different factors

Factors	Number	Cum survival at 2 yrs %	Cum survival at 3 yrs %	Cum survival at 5 yrs %	P-value
Whole group	62	89.95	84.44	80.60	
Age					
≤65 years	43	94.45	90.35	85.33	0.08
>65 years	19	76.69	65.73	65.73	
Gender					

Females	23	90.34	83.89	76.26	0.61
Males	39	89.51	83.92	83.92	
Smoking					0.20
No	21	88.89	66.67	66.67	
Yes	20	93.33	93.33	93.33	
Unknown	21	89.16	89.16	81.73	
Bilharziasis					0.29
No	32	92.98	77.48	77.48	
Yes	3	0.50	50.00	50.00	
Unknown	27	91.83	91.83	86.09	
Surgical pathological type					0.10
SCC	24	84.44	70.15	70.15	
TCC	38	93.38	93.38	86.71	
Surgical pathological grade					0.42
Grade 1	5	100	100	100	
Grade 2	21	82.54	74.29	74.29	
Grade 3	36	91.67	87.08	77.41	
T stage					0.93
T2b	14	87.50	70.00	70.00	
T3a	9	87.50	87.50	87.50	
T3b	29	91.71	85.16	85.16	
T4a	10	90.00	90.00	67.50	
Duration of radiotherapy/day					0.12
≤40	35	86.84	78.53	73.62	
>40	27	94.44	94.44	94.44	

Table (9) LRCof studied cases and its relation to different factors

Factors	Number	Cum survival at 2 yrs %	Cum survival at 3 yrs %	Cum survival at 5 yrs %	P-value
Whole group	62	95.30	95.30	95.30	
Age					0.32
≤65 years	43	96.67	96.67	96.67	
>65 years	19	90.00	90.00	90.00	
Gender					0.72
Females	23	94.44	94.44	94.44	
Males	39	95.83	95.83	95.83	
Smoking					0.50
No	21	92.31	92.31	92.31	
Yes	20	93.33	93.33	93.33	

Unknown	21	100	100	100	
Bilharziasis					
No	32	89.67	89.67	89.67	0.30
Yes	3	100	100		
Unknown	27	100	100	100	
Surgical pathological type					
SCC*	24	86.54	86.54	86.54	0.049
TCC	38	100	100	100	
Surgical pathological grade					
Grade 1	5	100	100	100	0.81
Grade 2	21	92.31	92.31	92.31	
Grade 3	36	96.30	96.30	96.30	
T stage					
T2b	14	85.71	85.71	85.71	0.62
T3a	9	100	100	100	
T3b	29	95.65	95.65	95.65	
T4a	10	100	100	100	
Duration of radiotherapy/day					
≤40					0.96
>40	35	96.00	96.00	96.00	
	27	94.74	94.74	94.74	

Discussion: