

Supplementary table 1: Distribution of patient characteristics after pair-matching (n=20 for each group).

		Elderly cohort (≥65 years)		Matched cohort (18-65 years)		p-value
		Median (range)		Median (range)		
Age		74 (66 – 89)		47.5 (28 – 63)		<0.001
		n	%	n	%	
Sex	male	8	40.0	9	45.0	0.749
	female	12	60.0	11	55.0	
Smoking	non-smoker	16	80.0	16	80.0	1.000
	smoker	4	20.0	4	20.0	
ECOG	0	17	85.0	17	85.0	1.000
	1-2	3	15.0	3	15.0	
CCI	2	17	85.0	17	85.0	1.000
	3-8	3	15.0	3	15.0	
T stage	T1/T2	9	45.0	13	65.0	0.204
	T3/T4	11	55.0	7	35.0	
N stage	N0	10	50.0	11	55.0	0.752
	N1/N2/N3	10	50.0	9	45.0	
M stage	M0	20	100.0	19	95.0	0.311
	M1	0	0.0	1	5.0	
Localization	parotid gland	17	85.0	10	50.0	0.060
	submandibular gland	2	10.0	6	30.0	
	minor salivary glands	1	5.0	4	20.0	
Grading	G1/G2	8	40.0	15	75.0	0.054
	G3/G4	10	50.0	5	25.0	
	unknown	2	10.0	0	0.0	
Histology	adenocarcinoma	11	55.0	3	15.0	0.048
	squamous cell carcinoma	2	10.0	1	5.0	
	mucoepidermoid carcinoma	1	5.0	5	25.0	
	acinic cell carcinoma	2	10.0	2	10.0	
	adenoid cystic carcinoma	1	5.0	7	35.0	
	carcinoma in pleomorphic adenoma	0	0.0	1	5.0	
	others	3 ^a	15.0	1 ^b	5.0	
Concept	definitive	5	25.0	1	5.0	0.077
	adjuvant	15	75.0	19	95.0	
Chemotherapy	no chemotherapy	12	59.1	16	81.8	0.168
	chemotherapy	8	40.9	4	19.2	

^aundifferentiated carcinoma (n=1), lymphoepithelial carcinoma (n=1), myoepithelial carcinoma (n=1)

^bliposarcoma

Supplementary table 2: Toxicity results after radiotherapy or chemoradiotherapy of elderly patients with salivary gland cancer according to the CTCAE v5.0.

Acute (n=29)	n	%
CTCAE 1/2	20	69.0
CTCAE 3	9	31.0
CTCAE 4/5	0	0.0
Chronic (n=24)		
CTCAE 0	1	4.2
CTCAE 1 – 2	20	83.3
CTCAE 3	3	12.5
CTCAE 4/5	0	0.0

Supplementary Table 3: Toxicity results consisting various (chemo)radiotherapy-related adverse reactions according to the Common Terminology Criteria for Adverse Events (CTCAE) v5.0.

Acute	CTCAE grade					
	0	1	2	3	4	5
dermatitis	1	10	16	2	0	0
dysphagia	16	9	3	1	0	0
nausea	28	1	0	0	0	0
mucositis	8	4	12	5	0	0
xerostomia	16	12	1	0	0	0
dysgeusia	16	9	4	0	0	0
pain	14	7	8	0	0	0
cytopenia ^a	14	9	3	2	0	0
weight loss ^b	10	2	5	0	0	0
acute kidney injury ^c	19	4	1	0	0	0
Chronic (n=24)						
skin toxicity	13	8	2	1	0	0
dysphagia	17	5	2	0	0	0
mucositis	22	0	1	1	0	0
xerostomia	3	19	2	0	0	0
dysgeusia	9	13	2	0	0	0
pain	18	4	0	2	0	0
cytopenia ^d	18	2	1	0	0	0

^aunknown in 1 case

^bunknown in 12 cases

^cmissing in 5 cases

^dmissing in 3 cases