

Supplementary Table 2. Patients' demographics and clinical features in salvage surgery

Patients' case No.	Age (yr)	Sex	No. of RT	Dose of RT (cGy)	Initial NSF	NSF viability	Postoperative mucosal status	Salvage operation	Interval to salvage operation (mo)	Pre-salvage operation features			Improvement of features			ICA rupture	Survival	Follow-up period (mo)	
										Foul odor	Headache	CNP	Foul odor	Headache	CNP				
1	47	F	3	19,650	No	NA	Necrosis	NSF	7	Yes	Yes	No	Improved	Aggravated	Developed	Necrosis	No	Alive	64
2	51	M	1	7,000	No	NA	Necrosis	NSF	26	No	Yes	No	NA	Improved	NA	Complete	No	Alive	30
3	52	M	2	12,840	No	NA	Necrosis	NSF	7	No	Yes	No	NA	Improved	NA	Complete	No	Alive	46
4	54	M	4	21,600	No	NA	Necrosis	ALTFF (maxillary swing)	2	Yes	Yes	No	Improved	Improved	Developed	Complete	No	Alive	58
5	66	M	4	21,840	No	NA	Necrosis	ALTFF (maxillary swing)	39	Yes	Yes	No	Improved	Improved	NA	Complete	No	Dead	85
6	69	M	1	6,840	No	NA	Necrosis	NSF	1	No	Yes	No	NA	Improved	NA	Complete	No	Alive	37
21	70	M	2	12,600	Yes	NSF-U	Necrosis	ALTFF (maxillary swing)	5	No	Yes	No	NA	Improved	NA	Complete	Yes	Dead	8
23	59	F	2	12,200	Yes	NSF-U	Partial	ALTFF (transcervical)	6	No	Yes	Yes	NA	Improved	Improved	Partial	No	Alive	26
24	70	M	1	6,560	Yes	NSF-U	Partial	NSF	1	No	Yes	Yes	NA	Improved	Improved	Partial	Yes	Alive	36
25	72	M	1	6,600	Yes	NSF-U	Partial	IT graft, MTF	1	No	Yes	No	NA	Improved	NA	Complete	No	Alive	54

RT, radiation therapy; NSF, nasoseptal flap; CNP, cranial nerve palsy; ICA, internal carotid artery; NA, not applicable; ALTFF, anterolateral thigh free flap; NSF-U, nasoseptal flap necrotic or uncovered sub-group; IT, inferior turbinate; MTF, middle turbinate flap.