

	Neck Dissection Only						Entire Study						
Study	n	Nodal staging	3-yr DFS	3-yr OS	5-yr DFS	5-yr OS	n	Nodal Staging	3-yr DFS	3-yr OS	5-yr DFS	5-yr OS	Other reported survival data
USA													
Cummings 2021	63	-	-	-	-	-	540	N1 = 145 (26.9) N2/2a = 143 (26.5) N2b = 172 (31.9) N2c = 33 (6.1) N3 = 47 (8.7)	-	-	-	79.0%	5-yr OS 81% for chemoradiation 5-yr OS 74% for radiotherapy alone 5-yr OS 70% if ‘received neither’* *National database data so lack of granularity in reporting – ‘received neither’ could mean had surgery only or even no treatment
Zhou 2018	6	N1 = 3 (50.0) N2a = 2 (33.3) N2b = 1 (16.7)	-	-	60.0%	68.0%	75	N1 = 10 (26.3) N2a = 8 (21.1) N2b = 9 (23.7) N2c = 4 (10.5) N3 = 7 (18.4)	-	-	64.0%	72.0%	
Miller 2008	9	N1 = 7 (77.8) N2a = 1 (11.1) N2b = 1 (11.1)	66.7%	100.0%	-	-	17	N1 = 7 (41.2) N2a = 4 (23.5) N2b = 2 (11.8) N3 = 4 (23.5)	70.6%	88.2%	-	-	Surgery only: 6/7 (85.7%) were N1 without ECS – 100% PFS
Iganej 2002	29	N1 = 5 (17.2) N2a = 8 (27.6) N2b = 13 (44.8) N3 = 3 (10.3)	-	-	-	-	106	N1 = 14 (13.2) N2a = 27 (25.4) N2b = 39 (36.8) N2c = 2 (1.9) N3 = 24 (22.6)	-	-	53.0%	-	Surgery only: 81% 5-year tumour control for N1 & N2a disease without ECS
Europe													
Wichmann 2021	19	-	-	-	-	-	115	N1 = 17 (14.8) N2a = 31 (27.0) N2b = 35 (30.4) N2c = 6 (5.2) N3 = 26 (22.6)	-	-	66.1%	56.5%	Entire study: 5-yr DSS = 74.8%
Dorobisz 2019	18	-	-	-	-	-	233	N1 = 33 (14.2) N2 = 100 (42.9) N3 = 100 (42.9)	-	-	-	-	Surgery only: 9 (50%) survived <12 months, 4 (22.2%) survived 12-24 months, 5 (27.8%) survived >24 months Entire study: 93 (39.9%) survived <12 months, 46 (11.2%) survived 12-24 months, 82 (35.2%) survived >24 months
Axelsson 2017	7	N1 = 2 (28.6) N2a = 4 (57.1) N2b = 1 (14.3)	-	-	-	-	68	N1 = 13 (19.1) N2a = 24 (35.3) N2b = 13 (19.1) N2c = 6 (8.8) N3 = 12 (17.6)	-	-	74.0%	87.0%	Entire study: 2-yr DFS 81%, 2-yr OS 87%
Rodel 2009	8	N1 = 2 (25.0) N2a = 2 (25.0) N2b = 1 (12.5) N3 = 3 (37.5)	67.0%	88.0%	67.0%	75.0%	58	N1 = 9 (15.5) N2a = 8 (13.8) N2b = 15 (25.9) N2c = 3 (5.2) N3 = 23 (39.7)	50.9%	52.9%	39.7%	40.9%	
Australia													
Patel 2007	10	NA	-	-	-	-	70	N1 = 5 (7.1) N2a = 13 (18.6) N2b = 30 (42.9) N2c = 4 (5.7) N3 = 18 (25.7)	-	-	62.0%	56.0%	
Asia													
Hung 2018	5	-	-	-	-	-	69	N1 = 1 (1.4) N2a = 12 (17.4) N2b = 32 (46.4) N2c = 4 (5.8) N3 = 20 (29.0)	-	-	-	-	Surgery only: 5-yr DSS 80% Entire study: 5-yr DSS 60.3%
Mizuta 2018	27	N1 = 9 (33.3) N2a = 6 (22.2) N2b = 11 (40.7) N2c = 1 (3.7)	-	71.0%	-	-	80	N1 = 15 (18.8) N2a = 16 (20.0) N2b = 34 (42.5) N2c = 5 (6.3) N3 = 10 (12.5)	-	72.5%	-	-	Surgery only: 3-yr DSS 81.8%, 3-yr DMFS 88.6% Entire study: 3-yr DSS 80.3%, 3-yr DMFS 86.9%
Dou 2016	30	-	42.8%	87.5%	-	-	77	N1 = 8 (10.4) N2a = 16 (20.8) N2b = 38 (49.4) N2c = 13 (16.9) N3 = 3 (2.6)	59.4%	84.5%	-	-	
Lou 2015	46	N1 = 7 (15.2) N2a = 5 (10.9) N2b = 30 (65.2) N2c = 3 (6.5) N3 = 1 (1.7)	-	-	-	-	133	N1 = 14 (10.5) N2a = 21 (15.8) N2b = 78 (58.6) N2c = 7 (5.3) N3 = 13 (9.8)	-	-	-	67.1%	5-yr OS with Neck Dissection +/- adjuvant treatment 71.3% 5-yr OS with non-surgical primary treatment 53.2% (p=0.061)
Wongsritrang 2012	17	NA	54.5%	43.9%	43.6%	36.6%	139	N1 = 24 (17.3) N2 = 61 (43.9) N3 = 48 (38.5) Unknown = 6 (4.3)	55.5%	33.9%	48.6%	27.8%	