

Supplemental Table 1. Sensitivity, Specificity, Positive Predictive Value, and Negative Predictive Value by p16 Status

Status of neck disease prior to neck dissection	p16-positive			p16-negative		
	Pathologic CR			Pathologic CR		
	No	Yes	Total	No	Yes	Total
Present	8	30	38	6	7	13
Absent	1	17	18	4	4	8
Total	9	47	56	10	11	21
Sensitivity	88.9%			60.0%		
Specificity	36.2%			36.4%		
Positive predictive value	21.1%			46.2%		
Negative predictive value	94.4%			50.0%		

CR = complete response.

Status of neck disease prior to neck dissection is unknown for 13 patients with p16-positive tumors, of whom 7 had a pathologic CR and 6 did not.

Status of neck disease prior to neck dissection is unknown for 9 patients with p16-negative tumors, of whom 5 had a pathologic CR and 4 did not.