**Table 2**

Primary tumor semiquantitative PET parameters and p16 status data for the 28 patients with newly diagnosed oropharyngeal squamous cell carcinoma

 p16-positive (n = 13) p16-negative (n = 15) *P* value

PET parameter Mean SD Mean SD

11C-4DST SUVmax 7.79 1.48 9.10 2.64 0.066

Homogeneity 0.360 0.360 0.330 0.090 0.012

Entropy 2.078 0.177 2.058 0.273 0.857

SRE 0.942 0.014 0.950 0.037 0.005

LRE 1.272 0.077 1.241 0.240 0.009

LGZE 0.00634 0.00210 0.00499 0.00265 0.053

HGZE 241.08 101.89 346.99 172.82 0.042

18F-FDG SUVmax 15.29 6.09 18.08 9.68 0.684

Homogeneity 0.253 0.062 0.305 0.177 0.822

Entropy 2.147 0.261 1.920 0.538 0.255

SRE 0.963 0.023 0.930 0.108 0.822

LRE 1.183 0.180 1.665 1.419 0.857

LGZE 0.00263 0.00177 0.00193 0.00131 0.619

HGZE 970.54 640.41 1134.29 799.85 0.651

SUVmax = maximum standardized uptake value, SRE = short-run emphasis, LRE = long-run emphasis, LGZE = low gray-level zone emphasis, HGZE = high gray-level zone emphasis