Characteristic ADC histograms obtained in 2 different patients with HNSCC of the oral cavity. Patient A (T2N1M0, images A, B, and E) has an HPV− HNSCC originating in the left floor of the mouth. Patient B (T2N1M0, images C, D, and E) has an HPV+ HNSCC originating from the right lateral tongue border. T2-weighted images (A and C), ADC maps (B and D), and corresponding histograms (E, gray histogram for HPV− HNSCC and blue histogram for HPV+ HNSCC). Median ADC values are represented by red lines. Mean ADC values are represented by yellow lines. Note the similar ADC histogram shapes as in HNSCC of the oropharynx (Fig 4): symmetric histogram (blue) with widely distributed ADC values around the central line in HPV− HNSCC as opposed to leptokurtic skewed right histogram (gray) in HPV+ HNSCC.