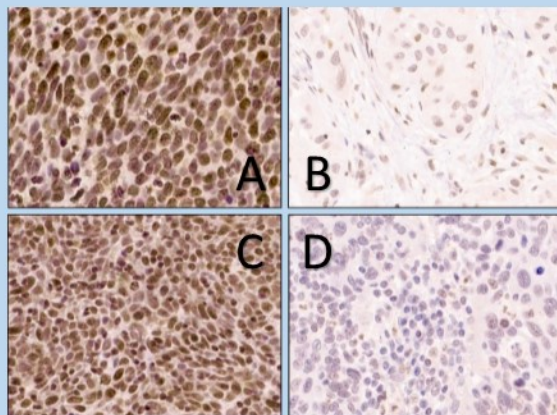


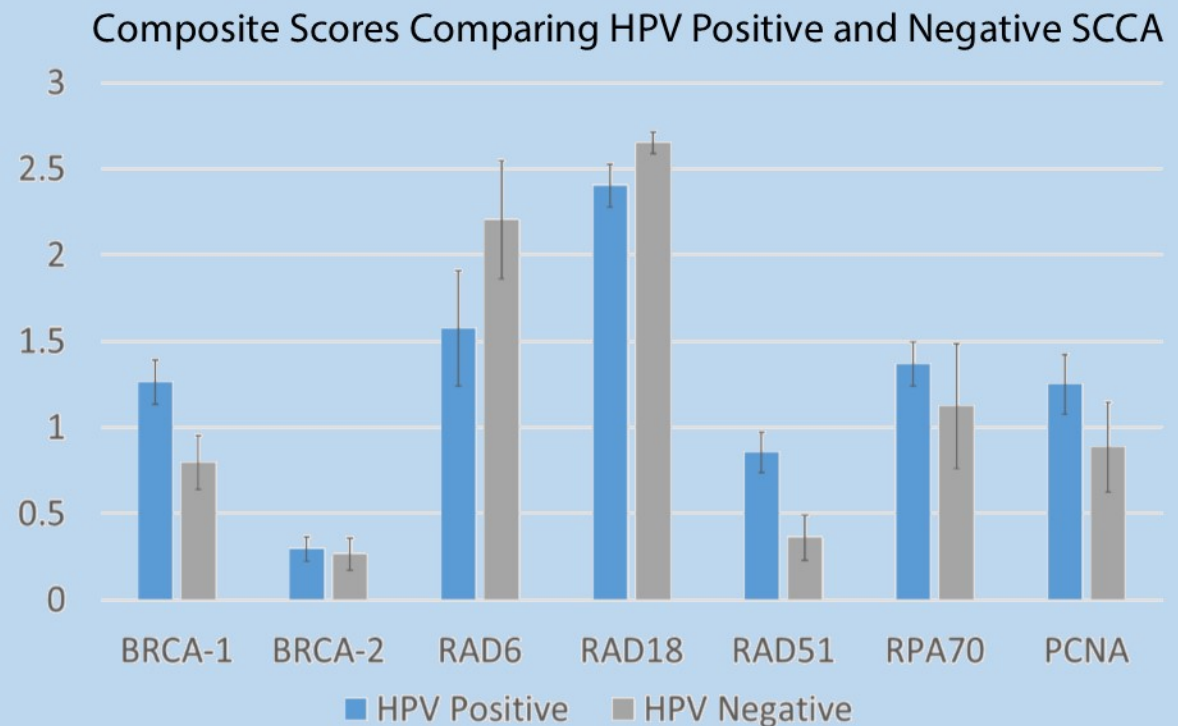
Overexpression of Homologous Repair Proteins in HPV Positive Head & Neck Squamous Cell Carcinoma

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Human papillomavirus (HPV) positive squamous cell carcinoma (SCCA) tumor samples have higher expression of proteins BRCA-1 & RAD51 compared to HPV negative tumors. These are involved in a DNA repair pathway called homologous recombination, which may serve as a target for future targeted biologic therapy.



High magnification (20x) images of tissue microarray slides show strong (A) and weak (B) staining samples for protein BRCA-1, and strong (C) and weak (D) staining samples for protein RAD51.



Research findings:

<http://www.kumc.edu/school-of-medicine/otolaryngology/research/highlights.html>

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