



**Edward Odell**

**FDSRCS, PhD, FRCPath**

**Current appointment:**

Professor of Oral Pathology and Medicine, King's College London

and

Honorary Consultant and Clinical Lead for Head and Neck Pathology, Guy's and St Thomas' NHS Foundation Trust

**Institution/ University where currently appointed:**

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**Areas of special interests:**

Oral carcinoma and precancer, molecular oncology of oral precancer, malignant odontogenic tumours, DNA ploidy analysis.

Edward Odell studied and trained in Oral Pathology at The London Hospital Medical College and Guy's Hospital Dental School and undertook a PhD in neutrophil function at University College

Hospital London. He has been working at Guy's Hospital Dental School, now King's College London, for over 20 years, initially in both Oral Pathology and Medicine and more recently in Oral and Head and Neck Pathology. He is a UK registered specialist in both Oral and Maxillofacial Pathology and Oral Medicine.

He has been the National Specialty Advisor to the Royal College of Pathologists UK and representative on many national committees and working parties and for 10 years was an elected Board member of the Faculty of Dental Surgery at the Royal College of Surgeons of England. He is a dental school inspector for the General Dental Council and an advisor for specialist training. He was previously IAOP Councillor for Europe and is currently a member of the Council of the British Society of Oral and Maxillofacial Pathology and is looking forward to hosting members at the IAOP Congress in London in 2020.

Edward Odell has published nearly 150 peer-reviewed journal articles and has written or edited 5 textbooks, including Cawson's Essentials of Oral Medicine and Pathology and Biopsy Pathology of the Oral Tissues. He has been an author for the 2005 and 2017 WHO Classification of Head and Neck Tumours and was a member of the consensus subgroup for oral and odontogenic lesions for the 2017 edition and led the International Collaboration on Cancer Reporting dataset for odontogenic tumours which followed it.

### **Recent/ significant publications**

1. Sperandio M, Klinikowski MF, Brown AL et al. Image-based DNA ploidy analysis aids prediction of malignant transformation in oral lichen planus. *Oral Surg, Oral Med, Oral Pathol* 2016 121(6):643-50.
2. Schilling C and 42 authors from the European SENT group. Sentinel European Node Trial (SENT): 3-year results of sentinel node biopsy in Oral Cancer. *European Journal Of Cancer* 51(18):2777-84. doi: 10.1016/j.ejca.2015.08.023.
3. Suh Y-E, Raulf, N, Gaken J et al. MicroRNA-196a promotes an oncogenic effect in head and neck cancer cells by suppressing annexin A1 and enhancing radioresistance. *International Journal of Cancer*. IJC-14-1953.R1.
4. Wright JM, Odell EW, Speight PM and Takata T. 2014. Odontogenic Tumors, WHO 2005: Where Do We Go from Here? *Head and Neck Pathology* 8(4):373-382.
5. Raulf N, El-Attar R, Kulms D et al. Differential response of head and neck cancer cell lines to TRAIL or Smac mimetics is associated with the cellular levels and activity of caspase-8 and caspase-10. *British Journal Cancer* 2014 111:1955-1964.
6. Thavaraj S, Stokes A, Mazuno K et al. Patients with HPV-related tonsil squamous cell carcinoma rarely harbour oncogenic HPV infection at other pharyngeal sites. *Oral Oncol*. 2014 50(4):241-6.
7. Sperandio M, Brown AL, Lock C et al. Predictive value of dysplasia grading and DNA ploidy in malignant transformation of oral potentially malignant disorders. *Cancer Prevention Research* 2013 6(8); 822-31.
8. Jee KJ, Persson M, Heikinheimo K et al. Genomic profiles and CRTC1-MAML2 fusion distinguish different subtypes of mucoepidermoid carcinoma. *Mod Pathol* 2013 26:213-22.

9. Gurney BA, Schilling C, Putcha V et al. Implications of a positive sentinel node in oral squamous cell carcinoma. *Head Neck* 2012. 34:1580-85.
10. Bullenkamp J, Cole D, Malik F et al.. Human Gyrovirus Apoptin shows a similar expression pattern and apoptosis induction as the chicken anaemia virus derived VP3/Apoptin. *Cell Death Dis.* 2012 12;3:e296.
11. Taebunpakul P, Sayan BS, Flinterman M et al. Apoptin induces apoptosis by changing the equilibrium between the stability of TAp73 and deltaNp73 isoforms through ubiquitin ligase PIR2. *Apoptosis* 2012 17:762- 76
12. Rajarajan A , Stokes A , Bloor B et al. CD44 Expression in Oro-Pharyngeal Carcinoma Tissues and Cell Lines. *PLoS ONE* 2012 7(1): e28776.
13. Stokes A, Drozdov I, Guerra E. Copy Number and Loss of Heterozygosity Detected by SNP Array of Formalin-Fixed Tissues Using Whole-Genome Amplification. *PLoS ONE* 2011 6(9): e24503.
14. Warnakulasuriya S, Kovacevic T, Madden P. Factors predicting malignant transformation in oral potentially malignant disorders among patients accrued over a ten year period in South East England. *J Oral Pathol Med* 2011 40:677-83.
15. Tilakaratne WM, Sherriff M, Morgan PR and Odell EW. Grading oral epithelial dysplasia: analysis of individual features. *J Oral Pathol Med.* 2011 40(7):533-40.
16. Daniels TE, Cox D, Shiboski CH et al. for the Sjo"gren's International Collaborative Clinical Alliance Research Groups. Associations Between Salivary Gland Histopathologic Diagnoses and Phenotypic Features of Sjo"gren's Syndrome Among 1,726 Registry Participants. *Arthritis & Rheumatism* 2011 63(7):2021–2030.
17. Bradley G, Odell EW, Raphael S. Abnormal DNA content in oral epithelial dysplasia is associated with increased risk of progression to carcinoma. *Br J Cancer* 2010 103:1432-42.
18. Klanrit P, Taebunpakul P, Flinterman MB. PML involvement in the p73-mediated E1A-induced suppression of EGFR and induction of apoptosis in head and neck cancers. *Oncogene* 2009 28, 3499-3512.
19. Klanrit P, Flinterman MB, Odell E. Specific isoforms of p73 control the induction of cell death induced by the viral proteins, E1A or Apoptin *Cell Cycle* 2008 7:205-15.
20. Idowu BD, Al-Adnani M, O'Donnell P et al. A sensitive mutation-specific screening technique for GNAS1 mutations in cases of fibrous dysplasia and the first report of codon 227 mutations. *Histopathology* 2007 50:691-704.
21. Scott IS, Odell EW, Chatrath P et al. A minimally invasive immunocytochemical approach to early detection of oral malignancy and dysplasia. *British Journal of Cancer.* 2006 94(8):1170-5.
22. Vujovic S, Henderson S, Presneau N, Odell E. et al. Brachyury, a crucial regulator of notochordal development, is a novel biomarker for chordomas. *J Pathol* 2006 209:157-65.
23. Odell EW, Farthing PM, High A et al. British Society for Oral and Maxillofacial Pathology UK Minimum Curriculum in Oral Pathology. *Eur. J Dent Education* 2004 8:177-184.