Letters to the editor

Send your letters to the Editor, *British Dental Journal*, 64 Wimpole Street, London, W1G 8YS. Email bdj@bda.org. Priority will be given to letters less than 500 words long. Authors must sign the letter, which may be edited for reasons of space.

Oral cancer

So that we remember what mouth cancer is to us

Sir, on behalf of our patients we wish to thank the editors and contributors to the previous issues of the *BDJ* for doing everything the journal does so well and then raising the bar once more. In appreciation, we respectfully offer the following two points for professional and personal reflection.

Dr M A Riva's letter, 'Giacomo Puccini in dental history',¹ has stimulated further reading revealing a striking irony that the composer of perhaps the most popular tenor aria 'Nessun Dorma' died in 1924 of complications following radiotherapy for throat cancer.

One clinical symptom often overlooked, but a sign crying out for referral is any change in voice but especially hoarseness or rasping. Accordingly, the late Crispian Scully's RULE,^{2,3} can be further extended to become Scully's RULER now including both rasping and referral:

- Red or white patch Rasping or hoarseness
- Ulceration
- Lump, Loose tooth or Lymphadenopathy
- Extending for three weeks or more. Then:
- REFER immediately.

With respect to the contribution from Professor John Gibson, 'Oral Cancer – CPD and the GDC',⁴ citing a GDC determination,⁵ we should remember Scully's RULER as it reinforces our requirement to refer.

Following from this, we respectfully remember one point in the confluence of cancer and conflict, perhaps making it less than unusual that these mighty and significant themes should meet in the Armistice edition of the *BDJ*.

After serving his country as an army chaplain in the trenches and writing of those experiences as the final limit of damnable brutality, Padre Geoffery Anketell Studdert Kennedy MC preached as a pacifist against social inequalities and campaigned for an end to poverty. Such was his passion and intensity of this calling, that five years after Puccini's passing, Studdert Kennedy died in 1929, not from cancer (although he was a prolific smoker) but from exhaustion.

Today, for many, he is simply remembered as Woodbine Willie, the army chaplain who was lauded for handing out cigarettes and bibles, being awarded the Military Cross for conspicuous gallantry and devotion to duty.

Seeking out the wounded and the dying in no man's land, showing the greatest of courage and utter disregard for his safety, both his men and his enemy were given, with equality and with equanimity, comfort, care, compassion and cigarettes.

After surviving years of war fighting poor health, he died in poverty among the underprivileged and vulnerable – his congregation. As a true Christian he was certainly owed but categorically denied his place of rest in Westminster Abbey because of his call to end poverty.

Today the risk factors for oral cancer are well established and the cigarettes distributed by combatants in times of war are damned by civilians in times of peace, but perhaps mostly by those with higher incomes and a high educational attainment.

It is evident that the social inequalities Studdert Kennedy railed against one hundred years ago remain today and present a risk as high as any of the others for oral cancer, a risk that Professor Conway and colleagues note with a two-fold increase, is on par with the risks from smoking and alcohol.⁶

Reflecting on these issues and consideration for the words of the editor and

contributors should compel us to remember, to remember to refer and to not forget the cancer risks faced by the vulnerable and the underprivileged and the homeless in our communities, many of whom have served their country and are now in need of our service to them.

J. Laszlo and M. Lehmann, by email

1. Riva M A. Giacomo Puccini in dental history. *Br Dent J* 2018; **225**: 684.
2. Scully C. RULE for cancer diagnosis. *Br Dent J* 2013; **215**: 265–266.
3. Scully C. Mouth Cancer: Extending the RULE. *Br Dent J* 2016; **221**: 280.
4. Gibson J. Oral cancer – CPD and the GDC. *Br Dent J* 2018; **225**: 884–888.
5. General Dental Council. Determination of the Professional Conduct Committee from 25 November 2010.
6. Conway D I, Brenner D R, McMahon A D *et al*. Estimating and explaining the effect of education and income on head and neck cancer risk: INHANCE consortium pooled analysis of 31 case-controlled studies from 27 countries. *Int J Cancer* 2015; **136**: 1125–1139. DOI: 10.1038/sj.bdj.2019.139

Oral cancer: a plan for action

Sir, I was delighted to read the themed issue on mouth cancer (*BDJ* volume 225, issue 9, 2018) which coincided with Mouth Cancer Action Month in the UK. Although a wide range of topics related to mouth cancer was covered in the themed issue, the maxillofacial surgery aspect of mouth cancer was not included.

On 13 November 2018, BDA Scotland also launched *Oral cancer – A plan for action* at its Stand Up to Oral Cancer event at the Scottish Parliament. The Plan reviews the key trends in oral cancer, including incidence, mortality and estimated costs, and is structured around three key themes – prevention, early detection and joined-up services. It contains a number of recommendations for Scottish Government and NHS Boards.¹

Later in the same month, a systematic review was published in the *British Journal of General Practice* on diagnosis and referral delays in primary care for oral squamous cell

cancer. The authors found a lack of research in this area with only 16 studies which focused on oral squamous cell carcinoma diagnosis, six of them from the UK.²

In the UK, more than 55% of patients with oral cancer were referred by their GP and 44% by their dentist. On average, patients had two to three consultations before they were referred to a specialist and delays were similar whether patients initially saw a GP or a dentist, although one study found greater delays attributed to dentists as they had undertaken dental procedures.²

There was no information on inter-GP-dental referrals as recommended in the guideline from the National Institute for Health and Care Excellence (NICE).^{2,3}

The authors of this systematic review concluded that there was no evidence that GPs performed less well than dentists, which calls into question the NICE cancer option to refer to dentists, particularly in the absence of robust auditable pathways.^{2,3}

C. A. Yeung, by email

1. British Dental Association Scotland. Oral cancer – A plan for action. 2018.
2. Grafton-Clarke C, Chen K W, Wilcock J. Diagnosis and referral delays in primary care for oral squamous cell cancer: a systematic review. *Br J Gen Pract* 2018; DOI: 10.3399/bjgp18X700205.
3. National Institute for Health and Care Excellence. Suspected cancer: recognition and referral. Last updated 2017. Available at <https://www.nice.org.uk/guidance/ng12> (accessed on 2018).

DOI: 10.1038/sj.bdj.2019.140

Oral cancer detection

A digital diagnostic test for oral cancer

Sir, I have read with considerable interest the Opinion paper by Brocklehurst and Speight on screening for mouth cancer.¹

One of the most challenging aspects of cancer management is predicting whether or not lesions will develop to cancer. The majority of oral potentially malignant disorders are benign; the difficulty comes when differentiating premalignant/malignant lesions from benign lesions with a similar appearance.

As the authors highlight, there is a strong need for a diagnostic test using biomarkers, especially given the recognised problem that histopathology is unable to detect early malignancy and is liable to subjectivity.²

In view of the comment that no molecular biomarkers have yet been shown to have utility in screening trials, it is worth

highlighting a biomarker array that has been developed to objectively detect precancerous cells in patients with benign-looking oral lesions. The quantitative Malignancy Index Diagnostic System (qMIDS)³ converts the total expression of a specific set of genes via a diagnostic algorithm into a metric 'malignancy score'.

By quantifying the risk of a given oral biopsy becoming cancerous, it enables reassurance of those patients with low cancer risk and a reduced need for their intensive surveillance, whilst identifying those at high risk and ensuring earlier detection and treatment.

If we are to improve the five-year survival rate for mouth cancer, early detection is key. Diagnostic tests will need to be specific, rapid, quantitative and objective if we are to move away from 'watch and wait' approaches.

J.-Y. S. Yeung, by email

1. Brocklehurst P R, Speight P M. Screening for mouth cancer: the pros and cons of a national programme. *Br Dent J* 2018; **225**: 815–819.
2. Kujan O, Khattab A, Oliver R J, Roberts S A, Thakker N, Sloan P. Why oral histopathology suffers inter-observer variability on grading oral epithelial dysplasia: an attempt to understand the sources of variation. *Oral Oncol* 2007; **43**: 224–231.
3. Teh M-T, Hutchison I L, Costea D E *et al.* Exploiting FOXM1-orchestrated molecular network for early squamous cell carcinoma diagnosis and prognosis. *Int J Cancer* 2013; **132**: 2095–2106.

DOI: 10.1038/sj.bdj.2019.141

Infant oral mutilation

A response to the subject – 'Infant oral mutilation'

Sir, we read with interest the letter by Bibi, Dixon and Barry titled 'Cultural impact on dental care'.¹

Infant oral mutilation (IOM) is a barbaric ritual practice in some parts of Africa that can result in fatality, systemic as well as dento-alveolar complications.²

Unexplained dental anomalies, particularly affecting the canines, as a result of IOM may vary in clinical presentation and hence awareness of this grossly under-reported practice is an integral part of clinical diagnosis and safeguarding children.

In the UK, IOM, unlike female genital mutilation (FGM) is not unlawful. Reported cases of IOM have been evidenced in UK-born children with immigrant Africa mothers who did not speak English and were living within rural and less educated communities.³

It is important to highlight, similar to FGM, IOM continues outside of the native settlement among isolated minority African refugee communities in the developed world as they knowingly encourage this deep-rooted superstitious belief. The lack of awareness of IOM among dental and medical professionals is high due to limited literature and publicity.

It is important to recognise contributing factors amongst these sociodemographic groups may include distrust in Western medicine, stress of migration which can cause depression and reduction in self-confidence, isolation, personal and family crises, language barrier and lack of access to the National Health Service (NHS).

A sensitive and informed approach to communication and education by trained and skilled counsellors with an in-depth understanding of African cultures is crucial in dealing with traditional beliefs and practices.

From a social and ethical perspective, legal ramifications similar to FGM, could be considered in the UK as a deterrent for those individuals who incite, allow, or, themselves take part in this mutilating superstitious practice.

It is now widely acknowledged that FGM is an illegal practice. The Prohibition of Female Circumcision Act was first imposed in 1985 with further legislations in 2003 and 2005 making it a criminal offence to arrange for such a practice outside the UK.

Most recently, the UK government pledged £50 million, the biggest single investment worldwide to date, to help eradicate FGM in Africa. With increased awareness and reporting of IOM among dental and medical professions, we hope that IOM will attract similar publicity and help from the government to end IOM in Africa.

In the meantime, when dental professionals suspect possible planned IOM to be carried out in parents' native countries, it should be managed according to the child's safeguarding policies.

S. Girgis and L. Cheng, by email

1. Bibi A, Dixon C, Barry S. Cultural impact on dental care. *Br Dent J* 2018; **225**: 793.
2. Girgis S, Gollings J, Longhurst R, Cheng L. Infant oral mutilation – a child protection issue? *Br Dent J* 2016; **220**: 357–360.
3. Rodd H D, Davidson L E. 'Ilko dacowo': canine enucleation and dental dequellae in Somali children. *Inter J Paed Dent* 2000; **10**: 290–297.

DOI: 10.1038/sj.bdj.2019.142