An alternative therapy?
Have you ever heard of oil pulling? Neither had Alison Lowe until one of her patients extolled its virtues, so she decided to find out more.

Oil pulling traces its roots to oil gurgling practiced in Ayurvedic medicine in India (mainly the south) more than 2,000 years ago, but it has recently come back into the limelight in India with widespread marketing aimed at both the public and the dental profession.

Literature review
An extensive literature review revealed very little in British journals relating to the practice, but a few papers have been published in Indian dental journals. One such study compared the effect of oil pulling using sesame oil with chlorhexidine on plaque-induced gingivitis. Twenty aged-matched adolescent boys with plaque-induced gingivitis were randomly divided into two groups. Plaque index and modified gingival index scores were recorded and baseline plaque samples were collected which were used to identify and measure total colony count of aerobic microorganisms. The boys rinsed with either oil or chlorhexidine every morning before eating or brushing. On completion of the trial both groups showed a reduction in plaque index, modified gingivitis scores and total colony count of aerobic bacteria. In another randomly controlled, triple blind study there was found to be a statistically significant reduction in the Strept. mutans count in the plaque and saliva samples of both the study and control group using a Dentocult SM Strept mutans test. The researchers concluded: ‘Our study has shown that sesame oil has an antibacterial effect. The reduction in bacterial count ranged from 10 to 34 per cent and the average reduction in bacterial count was 20 per cent after 40 days of oil pulling. Therefore the sesame oil is found to be effective in reducing Strept. mutans and adhesion.’

The oil-pulling procedure
Oil pulling is an easy (although somewhat time consuming) process that should be repeated every day. The patient rinses their mouth with approximately one tablespoon of oil (sesame and sunflower are the most recommended) for 15 to 20 minutes on an empty stomach then spits it out. The best time is in the morning before breakfast, but it can be done before any meal. The aim is to thoroughly mix the oil with saliva until it becomes thin in texture and white in colour. The oil is put into the mouth with the chin tilted up and then slowly swished and pulled through the teeth, from left to right, back to front and vice versa.

I’m told that it helps if you can close your eyes, concentrate and imagine the liquid moving in your mouth. Throughout the process the oil changes from a thick, yellow and oily consistency. If the oil is still yellow after twenty minutes then it hasn’t been pulled for long enough. The used oil is then discarded (spat out) and the mouth rinsed with water.

The theory is that the oil acts like a cleanser. When you put it in your mouth and work it around your teeth and gums, it ‘pulls’ out bacteria and plaque debris. It is thought to act much like the oil you put in your car engine, the oil picks up dirt and grime which forms a sediment and then when you drain it the sediment is removed leaving the engine relatively clean.

The main disadvantage of oil pulling is that it is time consuming – how many of us can spare 15 to 20 minutes every morning? However, there is a similar procedure known as ‘Ninacharya’ where you just swish for four minutes5, but I’m guessing that’s still three minutes too long for many people. On the plus side it is easy, inexpensive and relatively harmless.

Conclusion
I am a firm believer in evidence-based dentistry (EBD) and therefore must confess that I find myself slightly sceptical about the practice of oil pulling (I prefer to get my essential oils from Linserine mouthwash). Still, you shouldn’t knock it until you’ve tried it and although there is limited scientific evidence or proof of its efficacy, it is possible that oil pulling can be used as an effective, preventive adjunct in both maintaining and improving oral health.

References

About the author
Alison Lowe
is a dental hygienist based in Cardiff, at The Orthodontic Centre, a private practice specialising in implants, cosmetic work and orthodontics and Cardiff Dental School. She has won several awards including Hygienist of the Year 2008 and is a columnist for the Western Mail. She thoroughly enjoys what she does and is delighted to be contributing to Dental Tribune UK.