Cleaning gadgets

The Gadget Show recently tested the latest electrical tooth cleaning gadgets in the current market. Tested under the supervision of Dr Uchenna Okoye, the dentist who creates teeth transformations on TV programmes 10 Years Younger, presenter Suzi Perry set hand-held devices to teeth to see what ones were the best. The Panasonic Denticare Travel Irrigator came in fifth, followed by the Colgate 360 Microsonic Power in fourth. In third place was the Phillips Sonicare Flexcare with Sanitiser, which was praised for the sanitizer, that kills bacteria on the toothbrush head by using a UV light. Oral-B took the top two places, with the Oral-B Professional Care $500 in second place and the Oral-B Triumph with Smart Guide taking first place. Dr Uchenna Okoye praised the effectiveness of the Oral-B $500 and made it her top recommendation.

The secret of enamel

Researchers from the Forsyth Institute and the universities of Pittsburgh and Michigan in the US have reported that they have discovered the key to enamel, which enamel, one of the hardest tissues in the human body, is created. In their research the scientists discovered that the protein amelogenin, which makes up to 20 and 30 per cent of early enamel, arranges itself in clusters. According to one report, these clusters then stabilise and organise calcium phosphate crystals in parallel arrays and fuse them together, resulting in needle shaped particles. Although the scientists added that more research is needed to be carried out, they believe that their observations could be used to aid in the development of new medical and dental materials.

3D goes Russian

3D Diagnostic Imaging has selected a distributor for its CarieScan technology in Russia. The company which makes the CarieScan Pro, a handheld device which is used to detect tooth decay, has chosen Russian distributor IT Stom, which operates in Moscow, according to reports. Further reports have also stated that to distribute its caries support system throughout the USA, 3D Diagnostic Imaging have signed an agreement with American company Henry Schein Inc.