MIS launches new implant at special event in London
Manufacturer says new V-Concept delivers true innovation to implant dentistry

By DTI

LONDON, UK: MIS Implants Technologies launched a new implant at a special event in London that promises immediate biological benefits for better treatment outcomes. The new V3 is a multi-use implant suitable for a wide range of surgical scenarios, according to the Israeli implant solutions provider, and is ideal in anterior regions, as well as in regions where space and bone may be limited and good aesthetic outcomes are essential.

Designed in collaboration with leading clinicians, including Prof. Nitzan Bichacho and Dr. Yovel Jacoby, both from Israel, as well as Dr. Eric Van Doozen from Belgium, the development of V3 took two years to complete, MIS Product Manager Elad Ginat stated. He said that it will be available to visitors to EuroPerio8 from Thursday and to clinicians worldwide in the upcoming months.

“MIS is immensely proud of our innovative position in the global implants industry, which has led to the development of the unique V3 implant system. It’s a widely anticipated evolutionary next step in dental implant performance, designed for the benefit of clinicians and their patients all over the world,” Ginat stated.

The design of V3 aims to provide both specialists and general practitioners with optimum flexibility in implant planning and placement for a restorative-driven approach. In particular, the triangular shape of the coronal portion is intended to encourage bone regeneration and to gain greater volume of bone in support of stable surrounding soft tissue for restorations with improved aesthetics. According to Ginat, the neck provides solid anchorage at three points in the crestal zone while forming three compression-free gaps at the sides (between the implant and the osteotomy), thus favouring conditions for better osseointegration, such as high primary stability, bone compression and crestal bone resorption. The gaps encourage blood clot formation at the bone–implant interface to promote the initial scaffold-building process for bone growth and allow more space for blood pooling and the establishment of a stable blood clot. This way, V3 provides clinicians with advantages from the start, achieving a greater volume of bone and soft tissue at the onset of implant placement.

A high-performance conical connection implant with platform switching, V3 also features a variable thread and self-tapping capability, micro-rings, a concave inter-thread for maximum bone–implant contact, as well as a flat apex supporting immediate placement engagement. Ginat added that clinicians can enjoy all of these design benefits without having to learn new protocols. Furthermore, a dedicated surgical kit makes procedures especially simple, safe and accurate, resulting in ease of placement for the dentist and shorter recovery time for patients, he explained.

everX Posterior
GC enhances fracture toughness with new composite

By DTI

SINGAPORE: According to research, the most common reason for failing composite fillings is fracture of the composite, followed by secondary caries.

Posterior from GC Asia features a strong composite substructure made of short glass fibres that are said to provide a fracture toughness equal to collagen-containing dentine and almost double that of a conventional composite. According to the manufacturer, the fibres effectively prevent and arrest crack propagation that often starts from the surface of the composite.

The overall failure rate of Class II restorations after seven years, according to a 2011 study by Van Dijken and Pallesen, was 14.9 per cent. Nearly half of those cases were caused by composite fractures.

Developed in response to the increasing demand by dental specialists for a low-cost treatment alternative for large restorations, everX posterior from GC Asia features a strong composite substructure made of short glass fibres that are said to provide a fracture toughness equal to collagen-containing dentine and almost double that of a conventional composite. According to the manufacturer, the fibres effectively prevent and arrest crack propagation that often starts from the surface of the composite. GC recommends that everX Posterior always be covered with a light-curing universal composite, such as one from the GC G-enial product family, in order to achieve a highly aesthetic appearance and strong wear resistance.