

# New Products and Processes

Section Editor: **Dr Ramandeep S Virk**

**A ‘data-glove’ for Patients of Rheumatoid Arthritis:** Contributed by Dr Aman Sharma

The Tyndall National Institute in Cork, researchers at the University of Ulster and C-TRIC, in collaboration with the Western Health and Social Care Trust are developing a bespoke ‘data glove’ fitted with sensitive movement sensors.

Data gloves have been used to measure the joint movements in the past but did not have enough sensors for each digit.

There were inaccuracies in the measurements due to joint swellings and deformities. The ‘bespoke’ glove is expected to give more precise and accurate readings. The Tyndall data glove will integrate real time movements of the hand to allow detailed observations and measurement of each patient’s hand and wrist movements. This glove would be worn by the patient at home and would allow joint stiffness to be dynamically monitored. ‘Early morning stiffness’ is a hallmark of rheumatoid arthritis and this Tyndall glove can help in quantification of this early morning stiffness.



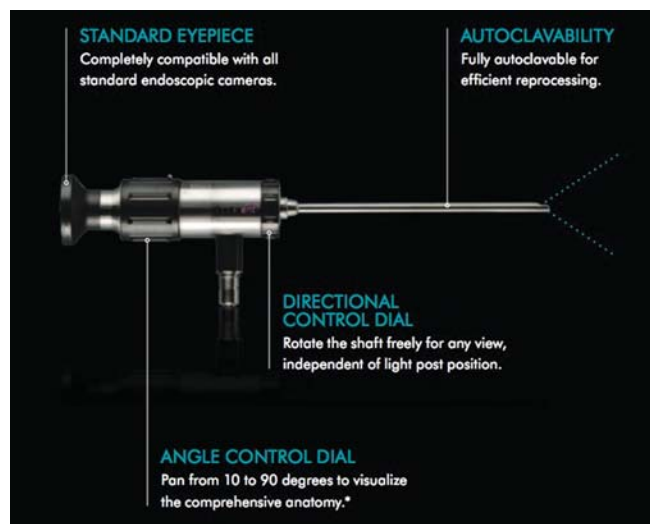
**Acclarent Cyclops Endoscope:** Contributed by Dr Ramandeep S Virk

Acclarent Cyclops endoscope is a new product, which allows you to change the angle of vision from 0° through 90° all in one scope and by a simple rotation of a dial.

Visual confirmation prior to, during, and after all procedures in the operating room.

- Prior: Survey the entire anatomy and confirm your surgical plan
- During: Verify the CT scan visually—even in the maxillaries and frontals
- After: Look into the sinus ostium and inspect the drainage path

For details log on to: <http://www.acclarent.com/solutions/products/acclarent-cyclops-endoscope/> Acclarent, Inc. 1525-B O’Brien Drive, Menlo Park, CA 94025, USA



## **Locking Attachment Plate for Treatment of Periprosthetic Fractures:** Contributed by Dr Vishal Kumar

The locking attachment plate—a low profile, anatomically contoured, fixed angle construct, is indicated in the treatment of periprosthetic fractures. Other indications being prevention of lateral screw pull-out in osteoporotic bone and fractures around intramedullary implants. It is an alternative to cables and can be used with different locking compression plates 4.5/5.0. The arms on each side of the plate offer the possibility to avoid the prosthesis stem with 3.5 mm locking screws (or 3.5 mm cortex screws). The locking capability is important for a fixed-angle construct in osteopenic bone, periprosthetic fractures or multifragment fractures, where screw purchase is compromised. These screws do not rely on plate-to-bone compression to resist patient load, but function similarly to multiple, small angled blade plates.



### **Advantages**

1. High stability
2. Preservation of blood supply
3. Anatomically contoured and low profile
4. Compatible with large and small fragment LCP system

### **Product Details**

Manufacturer: Synthes. For more details, please log on to: [www.synthes.com](http://www.synthes.com) or refer Synthes locking compression plate technique guide (Art No. 036.000.019) or AO manual of fracture management—internal fixators by M. Wagner and R Frigg.

### **Disclaimer**

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