INTRODUCTION
Renato Di Martino - Mectron SpA
Manlio Galiè - EACMFS Education & Training Officer
LECTURES
Advanced bone surgery: Piezosurgery in maxillo & crano-orbito-facial area - Luigi C. Clauser, Riccardo Tieghi, Ferrara - Italy
Piezosurgery in mandibular osteotomies, reconstructive procedures, distraction osteogenesis & regeneration - Manlio Galiè, Ferrara - Italy
Morphostructural analysis of human fibula bone osteotomies with piezosurgical device in jaws reconstruction: a mirror of a new faster piezoelectric osteotome - Alexandre Anesi, Modena - Italy
Experience with the Mectron Medical Piezosurgery unit - Mark McGurk, London - Great Britain
Hands on - Practical session - All faculty + MECTRON Staff

TARGET AUDIENCE
- Oral Surgeons & Dentists
- Orthognatic Surgeons
- Maxillo-Facial Surgeons
- Orbital Surgeons
- Plastic Surgeons
- ENT Surgeons

PRODUCT TRAINING COURSE INFORMATION
- Free course for Congress participants only
- For further information, please contact:
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ABOUT MECTRON
Mectron has been active since 1979, developing and producing top-quality devices. The company has always stood out on the market for its continuous process of development and innovation and the excellent design of its products.
Thanks to these qualities and to a sales network covering over eighty countries, mectron has earned itself a position of great prestige on international markets.

When Mectron introduces PIEZOSURGERY® in 2001, the technology was revolutionary for bone surgery: providing precision, safety, the highest cutting quality to surgeons all around the world. The new technology became the state-of-the-art for bone surgery device. Once appreciated the intraoperative advantages obtained from the technology, Mectron developed PIEZOSURGERY® devices, which are today the best ultrasonic bone cutting devices for medical fields.

Today more and more surgeons also discover the postoperative benefits brought by PIEZOSURGERY® devices and specifically faster and better bone healing, reduced postoperative pain, swelling and edema.

Mectron continues its continuous innovation and research, developing new products.

Day after day Mectron continues to pursue the same philosophy of technical innovation and scientific research to which it owes its history.
Advanced bone surgery: Piezosurgery in maxillo & cranio-orbito-facial area

Luigi C. Clauser, Riccardo Tieghi, Ferrara - Italy

Co-authors A. Anesi, L. Chiarini - Azienda Ospedaliero-Universitaria Policlinico, Cranio-maxillo-facial Unit, MODENA, Italy

MATERIALS AND METHOD: In this presentation we will give a brief overview of the Piezosurgery system and present an example of its application in maxillofacial surgery.

experience with the piezoelectric device is longer than with the oscillating saw. However, the time normally needed to dissect and protect the surrounding structures was approximately 50% shorter when using the piezoelectric device.

Therefore, the objective of this study was to evaluate the efficacy and the clinical applications of the piezoelectric system (PS) described above. The results of our study suggest that the piezoelectric system is a safe and effective tool for cranio-maxillo-facial surgery. Further studies are needed to evaluate the long-term outcomes of this technique.

Experience with the Mectron Medical Piezosurgery unit - Mark McGurk, London - Great Britain

Hands-on will give to the participants the chance of trying PIEZOSURGERY® experience with the Mectron Medical Piezosurgery unit - Mark McGurk, London - Great Britain

Experience with Piezosurgery in maxillofacial reconstruction and oral surgery

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Experience with Piezosurgery in maxillofacial reconstruction and oral surgery

Piezosurgery in cranial, orbital and maxillofacial surgery: a new generation of the piezoelectric bone-cutting device

Luigi C. Clauser, Riccardo Tieghi, Ferrara - Italy

Co-authors A. Anesi, L. Chiarini - Azienda Ospedaliero-Universitaria Policlinico, Cranio-maxillo-facial Unit, MODENA, Italy

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Experience with Piezosurgery in maxillofacial reconstruction and oral surgery

Piezosurgery is a novel surgical device that was introduced in 1993 and is currently being used in various surgical procedures, particularly in maxillofacial surgery. The device is based on the principle of piezoelectricity and is able to cut bone tissue with a minimal risk of thermal damage and surrounding tissue injury. The device is particularly useful in cranio-maxillo-facial surgery, where precise and delicate bone cutting is required. The device can be used in a variety of surgical procedures, including cranio-maxillo-facial reconstruction, orthognathic surgery, and distraction osteogenesis.

The Piezosurgery device is preferred in cranio-maxillo-facial surgery because it allows for more precise and delicate bone cutting with minimal risk of thermal damage and surrounding tissue injury. The device is particularly useful in cranio-maxillo-facial surgery, where precise and delicate bone cutting is required. The device can be used in a variety of surgical procedures, including cranio-maxillo-facial reconstruction, orthognathic surgery, and distraction osteogenesis.

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