



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Azienda Ospedaliero-Universitaria di Bologna

Augmented Reality and New Technologies in Maxillofacial Surgery Area

S.Orsola- Malpighi- Hospital University of Bologna

March 28th-29°, 2014

REGISTRATION FEES

28.3.2014 | WORKSHOPS

- | | |
|---|-------------|
| 1. 3D and 4D Stereophotogrammetry | 100 € + VAT |
| 2. 3D planning in orthodontic and orthognathic surgery | 100 € + VAT |
| 3. Piezo-navigated Surgery | 100 € + VAT |
| 4. 3D CAD-CAM plates in oncology and orthognathic surgery | 100 € + VAT |
| 5. 3D Endoscopy | 100 € + VAT |
| 6. Intraoral Scanning | 100 € + VAT |
| 7. Simulation Guided Navigation (live surgery) | 100 € + VAT |

29.3.2014 | SYMPOSIUM

300€ + VAT

Trainees will be free up to 15th of March 2014



SICMF
SOCIETÀ ITALIANA CHIRURGIA MAXILLO-FACCIALE



Secretariat Scientific Committee

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Credits

European and Italian credits for CME/ECM
will be requested

For information
www.3dbo.it

Official Language
The official language
is English

Augmented Reality and New Technologies in Maxillofacial Surgery Area

Friday, March 28th, 2014

Workshops

Morning Sessions

1. 3D and 4D Stereophotogrammetry
2. 3D planning in orthodontic and orthognathic surgery
3. Piezo-navigated Surgery
4. 3D CAD-CAM plates in oncology and orthognathic surgery
5. 3D Endoscopy
6. Intraoral Scanning

Afternoon Session

7. Simulation Guided Navigation (live surgery)

Saturday, March 29th, 2014

Symposium

Registration

Opening Ceremony

Authorities

C. Marchetti (Bologna, Italy): *The new dimensions in the future of Oral and Maxillo-Facial Surgery*

Session I: Engineering and Imaging

P. Cattin (Basel, Swiss): *New perspectives in 3D imaging and virtual environments for surgery*

L. Ciocca (Bologna, Italy): *Custom made innovative composite scaffold for bone regenerative medicine*

Discussion

Session II: New Tools in Diagnosis

A. Ayoub (Glasgow, UK): *4D Stereophotogrammetry:*

B. L.M. Galantucci (Bari, Italy): *Polishape 3D and 4d*

S. Mazzoni (Bologna, Italy): *3D stereophotogrammetric analysis in orthognathic surgery*

Discussion

Coffe with the Companies

Session III: 3D in Orthodontic

M. Pironi (Bologna, Italy): *Intraoral scanner and virtual set-up*

L. Defila (Bologna, Italy): *3D analisys of dental movements in presurgical orthodontic*

Discussion

Session IV: 3D Accuracy in 3D Planning

A. Bianchi (Bologna, Italy): *Custom made pre-bended plates and simulation-guided navigation in facial anomalies*

D. Buchbinder (New York, Usa): *Accuracy of virtual splints in orthognathic surgery*

A. Tarsitano (Bologna, Italy): *3D planning and CAD-CAM technique in reconstructive surgery*

Discussion

Session V: 3D in implant and oncology surgery

G. Pellegrino (Bologna, Italy): *Intraoral navigation in implantology*

P. Jurgens (Basel, Swiss): *Computer-assisted Robot-guided Laser Osteotome (CARLO)*

E Pasquini (Bologna, Italy): *3D endoscopy in Head and Neck surgery*

Discussion

Coffe with the Companies

Session VII: Augmented Reality

V. Ferrari (Pisa, Italy): *Wearable Augmented Reality for Surgery*

G. Badiali (Bologna, Italy): *Video See-thourgh and Optic See-throught Augmented Reality Systems (ARS) for Maxillofacial Surgery*

H.F. Zeilhofer (Basel, Swiss): *Latest results in Augmented Reality in CMF surgery*

Discussion

The "Arturo Beretta Lecture"

J. Xia (Houston, USA): *The Surgical Planning Lab in Houston*

Closure