International Conference of Forensic Odontology & Child Abuse

In Association with IAOMP

Thursday, 1st August, 2019

Organized by: Forensic Odontology Unit, Department of Oral Pathology & Microbiology, Faculty of Dental Sciences, King George's Medical University, Lucknow

Venue: Kalam Centre, King George's Medical University, Lucknow-226003

3D Scanning and Printing

1. Registration Fee: INR 1000
2. Seats : limited seats 40
3. Thursday, 1st August 2019

About the speakers

Dr. SURESH M. LUDHWANI, B.D.S. M.D.S. PGCOI.

A Constant learner to equip myself with maximum knowledge and latest technologies in the fields of Dental Surgery. At Academic level, I am an Associate Professor in department of oral medicine and radiology at Karnavati Dental College, Gandhinagar. I successfully runs the chain of diagnostic centers called OROSCAN and I have ventured into a 3d printing lab - IDDS , the first of its kind. I work as an diagnostician at apollo and unihealth poly clinic. I am a active member of Digital Dental Society, Italy. I am also member of Asia-pacific association of oral medicine and radiology. I was awarded "EXCELLENCE IN DENTISTRY" AWARD in DENASIA INTERNATIONAL CONFERENCE.

About the Workshop

THE NEXT GENERATION OF CRIME INVESTIGATING TOOLS AND CHALLENGES: 3D SCANNING AND PRINTING

3D scanning and 3D printing are the future of forensics

Both of the innovative solutions, 3D scanning and 3D printing, jointly create a coherent unified system giving the police and other forces not only a comprehensive method of digital archiving of trace evidence but also the ability to create its precise replications using 3D printing. There are three general steps to creating a reconstructed 3d image/object: First, Create a 3D model (a blueprint) of the object to be printed, using computer-aided design (CAD) software. Second, translate the model into very thin two-dimensional, cross-sectional layers (slices) of the object. Third, Print the object by depositing layers of a material, or materials, in two-dimensional slices until the object is fully formed in 3D. The combination of 3d scanning and 3d printing is going to make the forensic investigation much simpler and accurate. The work flow of the scanning and 3d printing is very important. This presentation will focus on the same.

Prosthodontics

1) surgical guides for accurate implant placement
2) 3d models for anatomy analysis
3) maxillifacial prosthesis
4) different type of scanning

Oral surgery

1) orthognathic surgery
2) 3d models for mock surgery

Endodontics

1) endo guides
2) guides for apical surgery

Omr

What is 3d printing

How to use cbct data for 3d printing

Material used

Resin

Plastic

Titanium

Registration forms and brochure can be downloaded from IAOMP website in upcoming event section :

https://iaomp.in/upcoming-events

www.kgmu.org

www.janjagriti.in