**Synopsis:**

This presentation will cover the recent advances in digital technology and its use in dentistry.  Digital protocols will be introduced that can improve upon traditional treatment planning approaches.  The use of modern 3D technology and the digital workflow can simplify advanced procedures enhancing the predictability of the surgical outcomes.  Through the use of state of the art diagnostic imaging technologies, intra-oral scanning, live guided navigation,  and 3D printing; multiple digital workflows and their surgical applications will be discussed through real clinical cases from Dr Mohamed's surgical practice.  This groundbreaking lecture will showcase the synergy between advanced technology and fundamental biological principles to revolutionize the modern practice of periodontics and implantology.  Multiple innovative protocols to treat advanced surgical cases will be presented with techniques that have never been seen before.

**Learning Objectives:**

* discuss the use of modern digital technologies like CBCT, intra-oral scanning, and 3D printing.
* learn to digitally plan surgical procedures and use 3D printed surgical guides
* understand the benefits of microsurgery and the use of surgical operating microscope
* understand the benefits of digital technology in surgical treatment planning
* understanding and benefits of live guided navigation surgery and its applications
* learn about innovative procedures like digitally guided bone block harvesting, digitally created bone grafts, and osteotomy guides.
* understand how computer automated design software can improve upon real live surgery.

Biography

**Lorem Ipsum** is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of

November 13, 2017 6:30 – 9:30pm

Le Parc Banquet Centre

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