UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Surgical Mini Invasive Technique

2122-4-H4601D075

Aims

New minimally invasive solutions

for prosthetically guided regeneration and implantology

dr Stefano Scavia.

Reduce invasiveness, reduce interventions, reduce costs, reduce the patient's request for post-surgical collaboration: these are the clinical challenges that those involved in implantology must and can face today without sacrificing the concepts of implantology. and prosthetically guided regeneration.

In this course, starting from the knowledge of traditional implant and regenerative surgery, it will be illustrated the path through which the application and combination of different techniques, with the aid of new materials and technologies, allows to create innovative approaches in the implant, regenerative, periodontal and prosthetic field, such as to make treatments faster, less invasive and easier for the patient to accept.

This course teaches a minimally invasive approach. It doesn't ignore the respect of concepts now considered essential, such as restoration of biological width, bio-mimetism and prosthetically guided regeneration and implantology, but will also integrate and develop them.

In compliance with these principles, the student will learn to design minimally invasive treatments alloowing a higher level of acceptance by patients even in the most complex cases.

Contents

The course allows to learn and combine techniques used in different clinical situations:

POST EXTRACTIVE IMPLANTOLOGY

· atraumatic regeneration of the post-extraction site even in presence of oro-antral communication

. prosthetically guided post-extractive implantology

· flapless post-extractive implantology with immediate loading

2D AND 3D REGENERATIVE SURGERY

. virtual surgical planning

. flapless implantology

. horizontal bone augmentation with total-flapless split-crest technique

. horizontal and vertical flapless GBR associated with implantology

. flapless periodontal regeneration associated with implantology

. extended 3D bone regeneration with minimally invasive solutions (transmucosal fixation of barrier devices, rationales on the use of resorbable membranes, tunnel bone harvesting, GBR pocket-technique)

MUCOGINGIVAL SURGERY

. soft tissue augmentation associated with bone regeneration and implantology

1 step-surgery

tunnel techniques

biological substitutes usage

· alternative solutions to stitches usage

Detailed program

- Minimally invasive oral surgery: fundamental concepts and basic techniques
- Clinical devices in implantology and regenerative surgery
- Bone preservation and augmentation techniques in post-extraction site
- Periodontal bone regeneration in implant treatments
- Flapless approach and horizontal bone condensation/expansion techniques
- Post extractive implantology
- Peri-implant soft tissue management
- Crestal sinus elevation
- Immediate loading and minimally invasive prosthetics
- Advanced cases and 3-dimensional regeneration of major atrophies

Prerequisites

Teaching form

Lesson in attendance, subject to any ministerial changes following the COVID-19 pandemic situation

The course is held in italian language

Textbook and teaching resource

Semester

Second semester a.y. 2021-2022

Assessment method

The course doesn't include learning verification methods

Office hours