



## ADVANCED BARIATRIC/METABOLIC POSTGRADUATE COURSE

### Objectives

Obesity is currently considered a major public health problem in developed countries as a result of its increased prevalence and the increased risk of associated morbidity and mortality. Bariatric surgery is an effective therapeutic alternative in morbidly obese patients and can be considered the treatment of choice for morbidly obese patients, being important to develop the knowledge and skills for Bariatric Surgeons.

So the Fengh Academy of Minimally Invasive Surgery with its training center of excellence have the purpose of integrating and conducting a Course in Bariatric Surgery where knowledge of Bariatric and Metabolic Surgery will be provided and acquired, will develop technical skills to Advanced surgery, such as Endo suture management and mechanical suturing, under the tutelage of expert surgeons, will also be integrated into the operating room in multiple Bariatric surgeries where they will experience the surgery process step by step and gain surgical experience from these procedure, so that surgeons have the bases and knowledge to begin safely to perform these surgical techniques in Bariatric and Metabolic surgery.

#### **Course information:**

Start date: August 03, 2020

Duration: 30 days

## Mentors

<p><b><u>CHIEF PROFESSORS:</u></b></p> <p>ALMINO C. RAMOS SERGIO VERBOONEN SOTELO</p>	<p><b><u>ASSOCIATE PROFESSORS:</u></b></p> <p>MARIO ALBERTO ALMANZA REYES JESUS ELIAS ORTIZ GOMEZ CHRISTIAN RODRIGUEZ LOPEZ JAIME PONCE DE LEON JUAN ANTONIO LOPEZ CORVALA ALBERTO MICHEL MACARENO JOSE ALBERTO CARLOS RIVAS</p>
<p><b><u>NATIONAL PROFESSORS:</u></b></p> <p>RODRIGO PRIETO ALDAPE FERNANDO CERON JUAN FRANCISCO ARELLANO RAMOS HECTOR PEREZ CORZO JOSE ANTONIO CASTAÑEDA CRUZ</p>	<p><b><u>INTERNATIONAL PROFESSORS:</u></b></p> <p>ALMINO C. RAMOS SALVADOR NAVARRETE MARIO MUSELLA MANOEL GALVAO NETO MIGUEL A. CARBAJO</p>

## Location

**PLACE:** FAMIS (ACADEMY OF MINIMALLY INVASIVE SURGERY)  
TIJUANA, B.C. MEXICO

**HOSPITALS:**

BAJA HOSPITAL & MEDICAL CENTER  
OBESITY GOOD BYE CENTER  
HOSPITAL ANGELES TIJUANA  
BODY ART SURGICAL  
CER HOSPITAL  
UNIDAD QUIRURGICA OBESITYNOT4ME  
HOSPITAL RIO MEDICA  
OASIS HOSPITAL  
INSTITUTO NEFROLOGICO DE TIJUANA

## Academic Program Overview

The following topics will be covered during the program:

- Knowledge of obesity such as its incidence, adipose tissue disease, its causes, metabolic changes, nutritional circumstances that found it, endocrinological aspects and comorbidities.
- Know the medical, nutritional management, importance and role of the psychologist and support groups.
- Evaluation and preoperative study in Bariatric and Metabolic Surgery.
- Knowledge of the different surgical techniques such as their indications and contraindications.
- Endo suture and mechanical suture management (staplers).
- Step-by-step surgical techniques of gastric sleeve, gastric bypass, OAGB and SADI-S
- Intraoperative complications and how to solve them.
- Postoperative management, specific and nutritional care.
- Postoperative and late complications of bariatric surgery, how to solve them.
- Causes of bariatric surgery failures and management alternatives.
- Re-intervention by reganance, medical and surgical options.

## Skill Development Program Overview

- Knowledge of the use of simulators.
- Activities of coordination exercises with inanimate objects in the simulators (20hrs).
- Gel endo suture exercise activities in simulators (20hrs).
- Endo suture activities with tissues in simulators (20hrs).
- Activities with the use and management of mechanical sutures with organs (5hrs).
- Activities of performing surgical procedures in simulators in organs using endo suture and mechanical suture (30hrs).

## Operating Room Training Program

The surgeon will have a face-to-face participation or even within the surgical staff in at least 100 surgeries during their training, where they will see and know live, the different procedures and techniques used by the different expert surgeons, who are a group of bariatric surgeons by the which will be rotating with each of them, they will see every detail and steps that each of them uses and to be able to acquire better tips and ways of performing the techniques, to be able to ask questions, discuss controversial topics and experiences of the experts.

(curricular value 140hrs).

## Scientific Program Overview

### **Módulo 1. General aspects of obesity**

- Definition of obesity.
- Epidemiology, pathophysiology and metabolism.
- Classification of obesity, morbid obesity and super obesity.
- BMI, waist circumference, body fat and how to determine.
- Comorbidities. Dm, Hyperlipidemia, hypertension artery, metabolic syndrome.

### **Módulo 2. Multidisciplinary obesity team (EMO)**

- Formation of the multidisciplinary team.
- Clinical history, psychological evaluation (psychobariatrist).
- Nutrition Evaluation.
- Physical trainer.

### **Módulo 3. Endoscopic treatment of obesity and morbid obesity**

- Endoscopic techniques: Indications, contraindications, complications and results.
- Intra-gastric balloon.
- Endoluminal barriers.
- Gastric aspiration technique.
- Endoscopic plications.
- Endoscopic re-gain treatment.
- Endoscopic management of the complications of bariatric surgery.

### **Módulo 4. Surgical treatment of obesity**

- Anesthetic assessment.
- Preoperative patient preparation.
- Indications of bariatric surgery.
- Types of bariatric surgery: Restrictive, malabsorptive and mixed.
- Gastric band, Vertical gastrectomy, Roux Y gastric bypass, biliopancreatic bypass, duodenal crossover, BAGUA, OAGB, SADIS, GASTROILEAL BYPASS.
- Bariatric Surgery in children and adolescents.

### **Módulo 5 Perioperative management and medium-long term follow up**

- Postoperative intrahospital follow-up.
- Nutritional follow-up.
- Postoperative visits.
- Follow-up by psychologist.
- Signs and symptoms of a probable complication.
- Medium and long term results.
- Complications of bariatric surgery and its management.

## **Módulo 6. Regancing Surgery**

- Causes of bariatric surgery, failures and management alternatives.
- Regancing Techniques.
- Regancing reoperation, surgical medical options.

### **Monthly sessions and video conferences**

Two sessions a week with each of the professors attached, where clinical cases, discussion of these, treatment alternatives, controversies and results will be presented.

Videoconferences will be held once a week with a national professor, in which experiences, discussions, results, as well as surgical techniques can be shared with these professors.

Videoconferences will be held once every fifteen days with an international professor, in which experiences, discussions, results, as well as surgical techniques can be shared with these professors.

### **Contact Information**

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**Registration fee:** USD2460