

# PROGRAM

## BASIC SUTURE COURSE IN GENERAL SURGERY

**JANUARY 11<sup>th</sup> TO 13<sup>th</sup> 2021**



### CHAIRMAN

**Henrique Prata**

*President  
Hospital de Amor*

### PRESIDENT

**Jacques Marescaux**

*President, IRCAD  
University of Strasbourg, France*

### SCIENTIFIC DIRECTOR

**Armando Melani**

*Americas Medical City, RJ  
IRCAD Latin America*

### SCIENTIFIC COORDINATOR

**Luis G. C. Romagnolo**

*Hospital de Amor - Barretos  
IRCAD Latin America*

### COURSE DIRECTORS

**Alexandre C. Santos**

*Hospital de Amor - Barretos*

**Rodrigo Chaves Ribeiro**

*Hospital de Amor - Barretos*

**Croider F. Lacerda**

*Americas Medical City, RJ*

## GOALS

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- To perform basic practical and theoretical training of laparoscopic suture for beginner and experienced surgeons who perform or intend to perform laparoscopic surgery.

## EDUCATIONAL METHODS

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- Interactive theoretical and video sessions between faculty and course participants, and practical sessions in training box.

## FACULTY & TRAINER

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Andre L. Fermino (Barretos/SP)

Cynthia Elizabeth Alcántara Quispe (Barretos/SP)

Croider F. Lacerda (Rio de Janeiro/RJ) *videoconference*

Diego Burgardt (Barretos/SP)

Felipe Daldegan Diniz (Barretos/SP)

José Ciongoli (São Paulo/SP) *videoconference*

Leonardo Machado de Castro (Rio de Janeiro/RJ)

Marco Aurélio Gomes (Itumbiara/GO)

Paulo Bertulucci (Rio de Janeiro/RJ) *videoconference*

Roberto Machado (Barretos/SP)

Monday, January 11<sup>th</sup> 2021

07.40 Registration  
08.00 Welcoming the participants

Alexandre C. Santos  
Rodrigo Chaves

### Theoretical Session

Chairpersons: Alexandre C. Santos / Rodrigo Chaves / José Ciongoli / Cinthia Alcántara

08:10 (20')	Basic structure of the surgical knot, classification and suturing techniques	Rodrigo Chaves
08:30 (20')	Camera men technique VLP Suture	Leonardo Castro
08:50 (20')	Ergonomics for VLP suture	Cinthia Alcántara
09:10 (30')	Geometry of intra-corporeal suture VLP	Leonardo Castro
09:40 (25')	Discussion	

10:05– 10:25 *Coffee Break*

10:25 (20')	Suture in Urology	Alexandre C. Santos
10:45 (20')	Introduction, loading the needle and with drawal of the needle from the VLP cavity	Roberto Machado
11:25	Discussion	

12:00– 12:45 *Lunch*

### EXPERIMENTAL LABORATORY – DRY LAB

12:45 Presentation of the exercises in Black Box - Auditorium

**Exercise 1 – Cognition - Camera Man: Navigation**

**Exercise 2 – Cognition - Passing of the needle through the Hooks Circuit**

**Exercise 3 – Cognition - Passage of the needle and thread in the circuit of hooks**

**Exercise 4 - Needle Loading - Dancing needle technique, “pulling hair”, rotation technique, tissue help and adjust with thread**

**Exercise 5.1 – First Step - (Transfixation of the needle by the synthetic tissue)**

**Exercise 5.2 – Second Step (Double Transfixation)**

**Exercise 5.3 – Third Step (Clockwise and counterclockwise)**

**Exercise 5.4 – Fourth step (##Challenge ## Parallel Transfixation)**

**Exercise 5.5 – Forehand and Backhand**

17:30 End of training

**Shuttle bus for participants:** IRCAD – Hotel

**Shuttle bus for faculty:** IRCAD – Hotel

Tuesday, January 12<sup>th</sup> 2021

### Theoretical Session

Chairpersons: *Leonardo Castro / José Ciongoli*

08:00 (20')	History and Equipment needed for suture (needle-holder, needle-guard, trocars VLP)
08:20 (15')	Selection of yarns and needles for VLP Suture
08:35 (15')	Common mistakes made in intracorporeal suturing
08:50 (15')	Intracorporeal knot tying Szab technique (C-Loop)
09:05 (15')	Intracorporeal knot tying (D-Loop)
09:20	Discussion

**José Ciongoli**  
*videoconference*

**José Ciongoli**  
*videoconference*

**Paulo Bertulucci**  
*videoconference*

**Marco Aurélio Gomes**

**Leonardo Castro**

**09:45 – 10:00** *Coffee Break*

### EXPERIMENTAL LABORATORY – DRY LAB

10:00 **Exercise 6.1: Intracorporeal Knot Tying - Gladiator technique and Gladiator's Smile**

**12:00-12:45** *Lunch*

### EXPERIMENTAL LABORATORY – DRY LAB

12:45 **Exercise 7: Intracorporeal Knot Tying - D – Loop formation and Smile**

**Exercise 7: Intracorporeal Knot Tying - D – Loop formation and Smile**

**Exercise 8: Intracorporeal Knot Tying - C – Loop formation and Smile**

**Exercise 8: Intracorporeal Knot Tying - C – Loop formation and Smile**

17:30 End of training  
**Shuttle bus for participants:** IRCAD – Hotel  
**Shuttle bus for faculty:** IRCAD – Hotel

Wednesday, January 13<sup>th</sup> 2021

### Theoretical Session

**Chairpersons:** *Felipe Daldegan / Rodrigo Chaves / Alexandre C. Santos*

08:00 (20')	Continuous suturing	<b>Alexandre C. Santos</b>
08:20 (20')	Complication in laparoscopic surgery	<b>Alexandre C. Santos</b>
08:40 (30')	Suturing at difficult angles	<b>Croider Lacerda</b> <i>videoconference</i>
09:10 (20')	New technologies in the minimally invasive surgery	<b>Felipe Daldegan</b>
09:30	Discussion	

09:40 – 10:00 *Coffee Break*

### EXPERIMENTAL LABORATORY – DRY LAB

- 10:00      **Exercise 9.1: Traction and grip**
- Exercise 9.2 – Schimieden’s or Bell’s continuous suturing**
- Exercise 9.3 – Cushing’s continuous suturing**
- Exercise 9.4 – Continuous suturing with V-Loc**
- Exercise 9.5 – Continuous suturing with traction of the assistant surgeon**
- Exercise 10 – Simple continuous Suturing (Kirschner’s suturing)**
- Exercise 11 – Exercises of suture at difficult angles**

13:00 – 13:45 *Lunch*

### EXPERIMENTAL LABORATORY – DRY LAB

- 13:45      **Exercise 6.2 – Extracorporeal Knot Tying**
- Exercise 6.1 – Gladiator’s and Smile’s technique**
- Exercise 7/8 – C-Loop formation and D-Loop formation**
- Exercise 10 – Simple continuous suturing (Kirschner’s suturing)**
- Exercise 12 – Purse String Suturing**
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- 16:30      **End of the course**  
**Shuttle bus for participants:** IRCAD – Hotel  
**Shuttle bus for faculty:** IRCAD – Hotel

# PROGRAMME

## GENERAL LAPAROSCOPIC SURGERY COURSE FOR RESIDENTS

JANUARY, 14<sup>TH</sup> TO 16<sup>TH</sup> 2021



### CHAIRMAN

**Henrique Prata**

*President of Fundação Pio XII  
Hospital de Amor - Barretos*

### PRESIDENT

**Jacques Marescaux**

*President of IRCAD  
University of Strasbourg, France*

### DIRECTOR

**Armando Melani**

*Scientific Director  
IRCAD Latin America*

### COURSE DIRECTORS

**Luis G. C. Romagnolo**

*Hospital de Amor – Barretos, Brazil*

**Paulo Bertulucci**

*Americas Medical City, Rio de Janeiro, Brazil*

## GOALS

- ▶ To provide necessary basic knowledge for clinical applications.
- ▶ Describe the basics (surgery tools, materials, equipment) and present the most used basic laparoscopic techniques.
- ▶ Practical training sessions to learn or improve the performance of basic techniques in laparoscopic surgery, such as intra corporeal suturing and tying techniques of knots, coordinating both hands for dissection and safe energy use in laparoscopy.
- ▶ To describe the results and potential complications of laparoscopic procedures.

## EDUCATIONAL METHODS

- ▶ Interactive theoretical and video sessions between faculty and course participants.

## LOCAL ORGANIZING COMMITTEE - HOSPITAL DE AMOR - BARRETOS

- Luis Gustavo Romagnolo
- Carlos Véo
- Felipe Daldegan Diniz
- Marcos Denadai
- Maximiliano Cadamuro

## FACULTY & TRAINER

Alexandre Cesar Santos (Brazil)  
Allan Rodrigues de Moraes (Brazil)  
Ana Beatriz R. Bonatelli - *H. Strattner* (Brazil)  
Dario Vianna Birolini (Brazil)  
Gabriel Barbetta (Brazil)  
Guilherme Grisi Hisatomi (Brazil)  
Gustavo S. Rachid Hatun (Brazil)  
José Ciongoli (Brazil)  
Juliano Joudatt (Brazil)  
Luiz Carlos Furtado Almeida Junior (Brazil)

Mario Flamini Junior (Brazil)  
Mauricio Cusmanich (Brazil)  
Paulo Bertulucci (Brazil) *videoconference*  
Renato Tauil (Brazil)  
Ricardo dos Reis (Brazil)  
Rodrigo Becker (Brazil)  
Rodrigo Chaves Ribeiro (Brazil)  
Rodrigo Sanderson (Brazil)  
Tassia Maganha - *Medtronic* (Brazil)  
Vinicius Cordeiro da Fonseca (Brazil)

Thursday, January 14<sup>th</sup> 2021

**Participants and Faculty Shuttle Bus : Hotel - IRCAD**

- 07.40 Registration
- 08.00 Opening and Welcome to participants L. Romagnolo

### ***THEORETICAL SESSION - SOURCES OF ENERGY AND FIRST PUNCTURE***

**Chairpersons:** *A. C. Santos / R. Tauil*

- 08.15 – 08.45 am Why should I learn laparoscopy? R. Becker
- 08.45 – 09.15 am Basic Principles in Laparoscopy L. Romagnolo
- 09.15 – 09.50 am Effects of pneumoperitoneum L. Romagnolo
- 09.50 – 10.20 am Discussion

#### **10.20 – 10.40 am Coffee Break**

- 10.40 – 11.10 am Video tower and optic elements B. Bonatelli (H. Strattner)
- 11.10 – 11.45 am Why should I trust energy? T. Maganha (Medtronic)
- 11.45 – 12.20 am Ergonomics and Geometry in laparoscopy surgery P. Bertulucci (videoconference)

#### **12.20 – 1.05 pm Lunch**

### ***PRACTICAL SESSION - EXPERIMENTAL LABORATORY***

- 1.05 pm Presentation of the exercises in Black Box - Auditorium L. Romagnolo
- 1.15 pm Black Box Training All Faculty
- Orientation, Cognition and Roder's Knot
- 5.00 pm End of training  
**Participants and Faculty Shuttle Bus : IRCAD – Hotel**

**Friday, January 15<sup>th</sup> 2020**

**Participants and Faculty Shuttle Bus : Hotel - IRCAD**

### ***THEORETICAL SESSION - EDITED VIDEOS***

**Chairpersons:** A. C. Santos / V. Cordeiro da Fonseca

08.15 – 08.35 am	Laparoscopic cholecystectomy: How to perform?	R. Tauil
08.35 – 08.45 am	Exploration of the biliary tract	J. Ciongoli
08.45 – 09.05 am	Essential anatomical parameters and gastroesophageal reflux surgery	G. Rachid
09.05 – 09.20 am	Appendicectomy	G. Hisatomi
09.20 – 09.35 am	Simple Histerectomy for Residents	R. dos Reis
09.35 – 09.45 am	Inguinal hernia repair	G. Barbeta
09.45 – 10.05 am	How to avoid complications	D. Birolini

**10.05 – 10.25 am Coffee Break**

### ***THEORETICAL SESSION - EDITED VIDEOS***

**Chairpersons:** TBD

10.25 – 10.55 am	Intra-corporeal suture	P. Bertulucci (videoconference)
10.55 – 11.15 am	Laparoscopy in children	R. Chaves Ribeiro
11.15 – 11.30 am	Laparoscopy in trauma – what to do?	V. Cordeiro
11.30 – 11.45 am	Splenectomy	V. Cordeiro
11.45 – 12.00 am	Discussion	

**12.00 – 12.45 pm Lunch**

### ***PRACTICAL SESSION - EXPERIMENTAL LABORATORY***

12.45 pm	Demonstration of the exercises to be performed (sutures in black box) - Auditorium	L. Romagnolo
12.55 pm	Black Box Training – Practical exercises in the laboratory ➤ Surgical exercises intended to practice, ergonomics, suture, knots and management of instrumentals	All Faculty
5.15 pm	End of training <b>Participants and Faculty Shuttle Bus : IRCAD – Hotel</b>	

**Saturday, January 16<sup>th</sup> 2021**

**Participants and Faculty Shuttle Bus : Hotel - IRCAD**

***EXPERIMENTAL LABORATORY – PRACTICE ON LIVE TISSUE***

08.30 – 08.40 am	Laboratory rules - Auditorium	<i>E. Belmonte (IRCAD team)</i>
08.40 – 08.50 am	Demonstration of the exercises to be performed on living tissue - Auditorium	<i>L. Romagnolo</i>
08.50 am	Exercises in the laboratory	<i>All faculty</i>
<b>EXERCISE 1</b>	<ul style="list-style-type: none"><li>▪ Cystopexy</li><li>▪ Cytostomy</li><li>▪ Cystorraphy</li></ul>	
<b>EXERCISE 2</b>	<ul style="list-style-type: none"><li>▪ Vascular Control</li><li>▪ Enterotomy &amp; Entero Anastomoses</li></ul>	

**09.30 – 10.30 am Open Coffee Break**

**1.00 – 1.45 pm Lunch**

1.45 pm	Exercises in the laboratory	<i>All faculty</i>
<b>EXERCISE 3</b>	<ul style="list-style-type: none"><li>▪ Cholecystectomy</li></ul>	
<b>EXERCISE 4</b>	<ul style="list-style-type: none"><li>▪ Gastroenteroanastomoses</li></ul>	
<b>EXERCISE 5</b>	<ul style="list-style-type: none"><li>▪ Splenectomy</li></ul>	
<b>EXERCISE 6</b>	<ul style="list-style-type: none"><li>▪ Mixed exercises</li></ul>	
4.45 pm	<b>End of the course</b> <i>Delivery of the certificates of attendance</i>	
5.00 pm	<b>Participants and Faculty Shuttle Bus : IRCAD – Airports and Hotel</b>	