

# PROGRAM

## BASIC COURSE IN SUTURE FOR GENERAL SURGERY

**FEBRUARY 18<sup>th</sup> TO 20<sup>th</sup> 2019**



UNIDADE  
BARRETOS

### CHAIRMAN

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*President  
Hospital de Amor*

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*Scientific Director  
IRCAD Latin America*

### COURSE DIRECTORS

**Luis G. C. Romagnolo**

*Hospital de Amor - Barretos*

**Croider 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

### ORGANIZING COMMITTEE

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**Luis G. C. Romagnolo**

**Felipe Daldegan Diniz**

*Hospital de Amor - Barretos*

### FACULTY & TRAINER

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Alexandre Cesar Santos (Brazil)

José Ciongoli (Brazil)

Croider F. Lacerda (*videoconference*)(Brazil)

Leonardo Machado de Castro (Brazil)

Diego Burgardt (Brazil)

Luis Gustavo C. Romagnolo (Brazil)

Edilson Abrantes (Brazil)

Marco Aurélio Gomes (Brazil)

Eduardo F. de Albuquerque (Brazil)

Marcelo O. R. da Cunha (Brazil)

Fábio Madureira (*videoconference*) (Brazil)

Paulo Bertulucci (*videoconference*) (Brazil)

Felipe Daldegan Diniz (Brazil)

Wayne Shih-Wei Huang (Taiwan)

Fernando E. C. Felipe (Brazil)

## Monday, February 18<sup>th</sup> 2019

07.40	Registration	
08.00	Welcoming the participants	<b>L. Romagnolo</b>

### Theoretical Session

**Chairpersons:** F. Daldegan Diniz / D. Burgardt

08:10 (20')	History and Equipment needed for suture (needle-holder, needle-guard, trocars) VLP	<b>J. Ciongoli</b>
08:30 (20')	Selection of yarns and needles for VLP suture	<b>E. F. Albuquerque</b>
08:50 (20')	Ergonomics for VLP suture	<b>F. Madureira</b> <i>videoconference</i>
09:10 (30')	Camera mentechique VLP suture	<b>L. Castro</b>
09:40 (25')	Discussion	

### 10:05– 10:25 Coffee Break

10:25 (20')	Introduction, loading the needle and with drawal of the needle from the VLP cavity	<b>F. Felipe</b>
10:45 (20')	Geometry of intra-corporeal suture VLP	<b>L. Castro</b>
11:05 (20')	Basic structure of the surgical knot	<b>A. Santos</b>
11:25	Discussion	

### 12:00– 12:45 Lunch

## EXPERIMENTAL LABORATORY

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, February 19<sup>th</sup> 2019

### Theoretical Session

**Chairpersons:** A. Santos / J. Ciongoli

08:00 (20')	The suturing in laparoscopy: knots, classification and suturing techniques	<b>L. Castro</b>
08:20 (15')	Intracorporeal knot tying (Gladiator technique and Smile technique)	<b>C. Lacerda</b> <i>videoconference</i>
08:35 (15')	Intracorporeal knot tying Szab technique (C-Loop)	<b>M. Cunha</b>
08:50 (15')	Intracorporeal knot tying (D-Loop)	<b>L. Castro</b>
09:05 (15')	Common mistakes made in intracorporeal suturing	<b>P. Bertulucci</b> <i>videoconference</i>
09:20	Discussion	

**09:45 – 10:00 Coffee Break**

### EXPERIMENTAL LABORATORY

10:00 **Exercise 6: Intracorporeal Knot Tying - Gladiator technique and Gladiator's Smile**

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

### EXPERIMENTAL LABORATORY

10:00 **Exercise 6: 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, February 20<sup>th</sup> 2019****Theoretical Session****Chairpersons:** J. Ciongoli / L. Castro

08:00 (20')	Continuous suturing	<b>A. Santos</b>
08:20 (20')	Suturing at difficult angles	<b>M. Cunha</b>
08:40 (20')	Complication in laparoscopic suturing	<b>J. Ciongoli</b>
09:00 (20')	Extracorporeal knot tying	<b>F. Madureira</b> <i>videoconference</i>
09:20	Discussion	

**09:40 – 10:00 Coffee Break****EXPERIMENTAL LABORATORY**

- 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 (Kurschener's suturing)**
- Exercise 11 – Exercises of suture at difficult angles**

**c13:00 –  
13:45    Lunch****EXPERIMENTAL LABORATORY**

- 13:45    **Exercise 6 – Extracorporeal Knot Tying**
- Exercise 7 – Gladiator's and Smile's technique**
- Exercise 8 – C-Lopp formation and D-Lop formation**
- Exercise 10 – Simple continuous suturing (Kurschner's suturing)**
- Exercise 12 – Purse String Suturing**
- 16:30    **End of the Course**  
**Transport (IRCAD – Airports / IRCAD – Hotel)**