

# PROGRAM

## BASIC SUTURE COURSE IN GENERAL SURGERY

**MAY 03<sup>RD</sup> TO 05<sup>TH</sup> 2021**



### CHAIRMAN

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Hospital de Amor*

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### 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, May 03rd 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	<b>Rodrigo Chaves</b>
08:30 (20')	Camera men technique VLP Suture	<b>Leonardo Castro</b>
08:50 (20')	Ergonomics for VLP suture	<b>Cinthia Alcántara</b>
09:10 (30')	Geometry of intra-corporeal suture VLP	<b>Leonardo Castro</b>
09:40 (25')	Discussion	

### 10:05– 10:25 Coffee Break

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

### 12:00– 12:45 Lunch

### EXPERIMENTAL LABORATORY – DRY LAB

12:45	<p>Presentation of the exercises in Black Box - Auditorium</p> <p><b>Exercise 1 – Cognition - Camera Man: Navigation</b></p> <p><b>Exercise 2 – Cognition - Passing of the needle through the Hooks Circuit</b></p> <p><b>Exercise 3 – Cognition - Passage of the needle and thread in the circuit of hooks</b></p> <p><b>Exercise 4 - Needle Loading - Dancing needle technique, “pulling hair”, rotation technique, tissue help and adjust with thread</b></p> <p><b>Exercise 5.1 – First Step - (Transfixation of the needle by the synthetic tissue)</b></p> <p><b>Exercise 5.2 – Second Step (Double Transfixation)</b></p> <p><b>Exercise 5.3 – Third Step (Clockwise and counterclockwise)</b></p> <p><b>Exercise 5.4 – Fourth step (##Challenge ## Parallel Transfixation)</b></p> <p><b>Exercise 5.5 – Forehand and Backhand</b></p>	
17:30	<p>End of training</p> <p><b>Shuttle bus for participants:</b> IRCAD – Hotel</p> <p><b>Shuttle bus for faculty:</b> IRCAD – Hotel</p>	

Tuesday, May 04th 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, May 05th 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**