

COURSE PROGRAM

IRCAD *GENERAL SURGICAL FOR RESIDENTS*

05TH – 07TH APRIL, 2018



UNIDADE
RIO DE
JANEIRO

CHAIRMAN

Claudio LOTTENBERG

*President
United Health Group Brazil*

PRESIDENT

Jacques Marescaux

*President, IRCAD
University of Strasbourg, France*

SCIENTIFIC DIRECTOR

Armando Melani

*Americas Medical City
Rio de Janeiro, Brazil*

COURSE DIRECTOR

Croider Lacerda

*Americas Medical City
Rio de Janeiro, Brazil*

COURSE DIRECTOR

Paulo Bertulucci

*Americas Medical City
Rio de Janeiro, Brazil*

GOALS

- To provide basic knowledge necessary for clinical applications
- To 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 knot-tying techniques, coordinating both hands for dissection, safe energy use in laparoscopy
- To describe the results of laparoscopic procedures

EDUCATIONAL METHODS

- Interactive theoretical and video sessions between faculty and course participants
- Demonstrations of live and pre recorded operations

FACULTY

Armando Porto Carreiro

Croider Lacerda

Daniela Balbino

Dyego Benevenuto

Eduardo Dipp

Fábio Madureira

Flavio Sabino

Gastão José Silva Santos

Genaro Buonsante

Heitor Santos

José Ciongoli

José Júlio Filho

José Luiz Varela

Leonardo de Castro

Leonardo Ferraz

Marcelo Vieira

Marcio Balieiro

Maurice Franciss

Paulo Bertulucci

Paulo Jiquiriçá

Version: March 28th, 2018

This programme may be subject to changes

1st Day April/05th, 2018

08:00 Welcoming the participants Armando Melani or Croider Lacerda

Theoretical Session

Chairman: Jose Ciongoli, Eduardo Dipp, Paulo Jiquiriça and Marcio Balieiro

08:10 (20') The first access and Repercussions of pneumoperitoneum Maurice Franciss
08:30 (20') Principles for a good "camera man" Croider Lacerda
09:50 (20') Ergonomics in laparoscopic Paulo Bertulucci
09:10 (20') Principles of Intracorporeal suture and Introduction, Loading the needle and withdrawal of the needle from the VLP cavity Leonardo de Castro
09:30 (20') Intracorporeal Knot Tying (Gladiator technique and Smile technique) Croider Lacerda
09:50 (20') Fast Anatomical C-Loop and D-Loop formation Dyego Benevenuto
10:10 (20') Mechanic staplers in clinical practice Fábio Madureira
10:30 (20') Electrosurgery Medtronic (Richard Chaves Medeiro)
10:50 (5') End of session discussion

10:55 – 11:10 Coffee Break

Experimental laboratory - all faculty

Practical lesson 1 (station 1, 2, 3, 4):

Lab coordinator: Croider and Bertulucci

Rotating stations (group a1, 2 and 3 & b1, 2 and 3)

11:10/12:40 (3x15' + 1x45')

Station 1 – 15' Staplers and disposable equipment Medtronic (Dayany Toste)

Station 2 – 15' Video tower, optic elements and laparoscopic gaspers (instruments) Karl Storz (Dandara)
 1 - Laparoscopic Surgical Instruments - Practical training (25' minutes) Maurice Franciss/ Eduardo Dipp *First class (Maurice)

Station 3 – 45' and *Second class (Dipp) and Medtronic
 2 - THREAD (20') Ana Paula Lima, Felipe Dias and Thiago Tavares - Medtronic

Station 4 – 15' Energy Medtronic (Flavio Rocha and Richard Chaves Medeiros)

Time	Station 1	Station 2	Station 3	Station 4
11:10/11:25	A1	A2	B1, B2, B3	A3
11:25/11:40	A3	A1	B1, B2, B3	A2
11:40/11:55	A2	A3	B1, B2, B3	A1
11:55/12:10	B1	B2	A1, A2, A3	B3
12:10/12:25	B3	B1	A1, A2, A3	B2
12:25/12:40	B2	B3	A1, A2, A3	B1

12:40 – 13:30 Lunch

Experimental laboratory - all faculty

Practical lesson 2 (exercises 1, 2, 3): rotating stations

(group a1, 2 and 3 & b1, 2 and 3)

Exercises in Black Box (Orientation, Cognition, Knot and Intra-corporeal suture)

Lab coordinator:
Croider and Bertulucci

All Faculty and trainers

Cognition: Navigation and Camera Man

Exercise 1
30`
(3 x 10`)

****class review **** - Review, tactics and trucks: Ergonomics and first assistants ("Camera Man"), with Dr. Paulo Bertulucci - in the Laboratory

(Armando, Ciongoli, José Júlio, Daniela, Varela, Dyego, Leonardo de Castro, Dipp, Leonardo Ferraz, Fábio, Marcelo, Flavio, Balieiro, Gastão, Maurice, Genaro, Heitor, Jiquiriçá)

13:30/15:00

Exercise 2
30`
(3 x 10`)

Cognition: Passing the THREAD and cord through the pins (circuit)
With Camera man assistant

Exercise 3
30`
(3 x 10`)

Cognition: Passing the needle through the pins (circuit)
With Camera man assistant

<u>Exercise</u>	<u>Time</u>	<u>Practice 1</u>	<u>Practice 2</u>	<u>Review</u>
<u>Exercise 1</u> 3 x 10`	14:00 / 14:10	A1 + B1	A2 + B2	A3 + B3
	14:10 / 14:20	A3 + B3	A1 + B1	A2 + B2
	14:20 / 14:30	A2 + B2	A3 + B3	A1 + B1
<u>Exercise 2</u> 3 x 10`	14:30 / 14:40	A1 + B1	A2 + B2	A3 + B3
	14:40 / 14:50	A3 + B3	A1 + B1	A2 + B2
	14:50 / 15:00	A2 + B2	A3 + B3	A1 + B1
<u>Exercise 3</u> 3 x 10`	15:00 / 15:10	A1 + B1	A2 + B2	A3 + B3
	15:10 / 15:20	A3 + B3	A1 + B1	A2 + B2
	15:20 / 15:30	A2 + B2	A3 + B3	A1 + B1

15:00/15:30 Coffee Break

Experimental laboratory - all faculty

Practical lesson 3 (exercises 4, 5): rotating stations

(group a1, 2 and 3 & b1, 2 and 3)

Lab coordinator:
Croider and bertulucci

Needle Loading

Dancing needle technique, "pulling hair", rotation technique, tissue help and adjust with THREAD.

15:30 (120`)

Exercise 4
60`
(3 x 20`)

****class review **** - Review, tactics and tips: Trocar needle insertion, Needle Loading and transfixation through tissue, with Dr. Dyego Benevenuto - at the Laboratory

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Exercise 5 Transfixation of the needle by the synthetic tissue
 60`
 (3 x 20`) ****class review**** (2 X 20`) Basic structure of the surgical knot , with Dr. Jose Ciongoli - at the Laboratory

<u>Exercise</u>	<u>Time</u>	<u>Practice 1</u>	<u>Practice 2</u>	<u>Review</u>
Exercise 4 3 x 20`	15:30 / 15:50	A1 + B1	A2 + B2	A3 + B3
	15:50 / 16:10	A3 + B3	A1 + B1	A2 + B2
	16:10 / 16:30	A2 + B2	A3 + B3	A1 + B1
Exercise 5 3 x 20`	16:30 / 16:50	A1 + B1	A2 + B2	A3 + B3
	16:50 / 17:10	A3 + B3	A1 + B1	A2 + B2
	17:10 / 17:30	A2 + B2	A3 + B3	A1 + B1

17:30 End of training

2nd Day April/06th, 2018

EXPERIMENTAL LABORATORY - All Faculty *Laparoscopic training box – Intracorporeal Knot Tying* **Practical Lesson 4 (Exercises 6, 7):** Rotating stations (Group A1, 2 and 3 & B1, 2 and 3)

Lab coordinator:
 Croider and
 Bertulucci
 Dyego Benevenuto

All faculty and trainers

(Armando, Ciongoli, José Júlio, Daniela, Varela, Leonardo de Castro, Dipp, Leonardo Ferraz, Fábio, Marcelo, Flavio, Balieiro, Gastão, Maurice, Genaro, Heitor, Jiquiriçá)

Gladiator technique and Smile technique

08:00/10:00 (120`) Exercise 6 ****class review**** (2 X 15`) - *Gladiator technique and Smile technique* with Dr. Croider Lacerda - In the Laboratory (6.1)
 120`
 (3 x 40`) ****class review**** (2 X 15`) - C – Loop and D-Loop formation - Dr. Dyego Benevenuto - In the Laboratory (6.2)

10:00/10:30 Coffee Break

All faculty and trainers

(Armando, Ciongoli, José Júlio, Daniela, Varela, Leonardo de Castro, Dipp, Leonardo Ferraz, Fábio, Marcelo, Flavio, Balieiro, Gastão, Maurice, Genaro, Heitor, Jiquiriçá)

C – Loop formation

10:30/12:30 (120`) Exercise 7 ****class review**** (2 X 15`) - *Difficult angles with Dyego Benevenuto* - In the Laboratory (7.1)
 120`
 (3 x 40`) ****class review**** (2 X 15`) - *Extracorporeal Knot Tying* - Dr. Fabio Madureira - In the Laboratory (7.2)

<u>Exercise</u>	<u>Time</u>	<u>Practice 1</u>	<u>Practice 2</u>	<u>Review</u>
Exercise 6 3 x 40'	08:00 / 08:40	A1 + B1	A2 + B2	A3 + B3
	08:40 / 09: 20	A3 + B3	A1 + B1	A2 + B2
	09:20 / 10:00	A2 + B2	A3 + B3	A1 + B1
Exercise 27 3 x 40'	10:30 / 11:10	A1 + B1	A2 + B2	A3 + B3
	11:10 / 11:50	A3 + B3	A1 + B1	A2 + B2
	11:50 / 12:30	A2 + B2	A3 + B3	A1 + B1

12:30 – 13:30 Lunch

EXPERIMENTAL LABORATORY - All Faculty

Laparoscopic training box – Intracorporeal Knot Tying and Continuous Suturing

Practical Lesson 5 (Exercises 8, 9): Rotating stations (Group A1, 2 and 3 & B1, 2 and 3)

Lab coordinator:
Croider and Bertulucci
Dyego Benevenuto

All faculty and trainers

(Armando, Ciongoli, José Júlio, Daniela, Varela, Leonardo de Castro, Dipp, Leonardo Ferraz, Fábio, Marcelo, Flavio, Baieiro, Gastão, Maurice, Genaro, Heitor, Jiquiriça)

13:30/14 :15 **Exercise 8** D – Loop formation
40` (3x15`) ****class review**** - Review and doubt clearing laparoscopic Continuous suturing techniques with Dr. Dyego Benvenuto - In the Laboratory

14 :15/15 :15 **Exercise 9** Continuous suturing
60` (3 x 20`) ****class review**** - Common mistakes made in intracorporeal suturing, with Dr. Paulo Bertulucci - at the Laboratory

<u>Exercise</u>	<u>Time</u>	<u>Practice 1</u>	<u>Practice 2</u>	<u>Review</u>
Exercise 8 3 x 15'	13:30 / 13:45	A1 + B1	A2 + B2	A3 + B3
	13:45 / 14:00	A3 + B3	A1 + B1	A2 + B2
	13:00 / 14:15	A2 + B2	A3 + B3	A1 + B1
Exercise 9 3 x 20'	14:15 / 14:35	A1 + B1	A2 + B2	A3 + B3
	14:35 / 14:55	A3 + B3	A1 + B1	A2 + B2
	15:55 / 15:15	A2 + B2	A3 + B3	A1 + B1

15:15 – 15:30 Coffee break

Theoretical Session (Auditorium)

Chairman:
Paulo Jiquiriça
Jose Julio
Jose Varella
Heitor Santos

15:30 (20')	Laparoscopic Apendicectomy	Armando Porto Carreiro
15:50 (20')	Laparoscopic cholecystectomy	Jose Gastão
16:10 (20')	Laparoscopic Nissen Fundoplication	Eduardo Dipp
16:30 (20')	Laparoscopic Inguinal hernia repair	Fernando Madureira
16:50 (20')	Laparoscopic Splenectomy	Croider Lacerda
17:10 (20')	Laparoscopic complications	Marcelo Vieira
17:30 (10')	End of discussion session	
17:40	End of Day 2	

3rd Day April/07th, 2018

EXPERIMENTAL LABORATORY
8:30am – 5:00pm

Practice on Live Tissue

Lab coordinator: Croider
Lacerda, Paulo Bertulucci and
Jose Ciongoli

08:30- 08:45		Auditorium - Demonstration of the exercises to be performed on live tissue	Croider Lacerda
	Exercises 9 (1x)	Pneumoperitoneum with Veress needle	
08:45 – 13:00	Exercise 10 (1x)	Trocar Positioning	All faculty and trainers (Armando, Ciongoli, José Júlio, Daniela, Varela, Dyego, Leonardo de Castro, Dipp, Leonardo Ferraz, Fábio, Marcelo, Flavio, Balieiro, Gastão, Maurice, Genaro, Heitor, Jiquiriçá)
	Exercise 11 (1x)	Laparoscopic Cholecystectomy	
	Exercise 12 (3x)	Laparoscopic Nissen Fundoplication	
	Exercise 13 (1x)	Laparoscopic Splenectomy	
13:00 – 14:00		Lunch	
	Exercise 14 (3x)	Laparoscopic Enterectomy	All faculty and trainers (Armando, Ciongoli, José Júlio, Daniela, Varela, Dyego, Leonardo de Castro, Dipp, Leonardo Ferraz, Fábio, Marcelo, Flavio, Balieiro, Gastão, Maurice, Genaro, Heitor, Jiquiriçá)
14:00 – 17:00	Exercise 15 (2x)	Laparoscopic Gastro-entero-anastomosis	
	Exercise 16 (2x)	Laparoscopic Inguinal hernia repair	
17:00		End of Course – Delivery of the certificates	
17:10		Transport (IRCAD – Hotel)	