

PROGRAM COURSE

IRCAD *GENERAL SURGICAL FOR* *RESIDENTS*



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RIO DE
JANEIRO

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*Americas Medical City
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GOALS

- To provide basic knowledge necessary 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, 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

DAY 1

08.00 Welcoming the participants

Theoretical Session
08:00 – 10:35 am

Chairman:

08:10 (20') The first acces and Repercussions of pneumoperitoneum

08:30 (20') Principles for a good "camera man"

09:50 (20') Ergonomics in laparoscopic

09:10 (20') Principles Intracorporeal suture e Introduction, Loading the needle and with drawal of the needle from the VLP cavity

09:30 (20') Intracorporeal Knot Tying (Gladiator technique and Smile technique)

09:50 (20') Anatomical C-Loop and D-Loop formation

10:10 (20') Grampeadores mecânicos na prática clínica

10:30 (5') **Discussion at the end of section**

10:40 – 10:55 *Coffee Break*

11:00 - 12:45 **EXPERIMENTAL LABORATORY - All Faculty**
Practical lesson. Rotating stations (group A e B)

Lab coordinator:
Croider and Paulo

Station 1 – 4x 15' Staplers and disposable equipment

Station 2 – 4x 15' Video tower, optic elements and laparoscopic gaspers (instruments)

Station 3 – 2x 25'
2x 20'
1 - Laparoscopic Surgical Instruments - Practical training (25') minuts)
and
2 - THREAD (20')

Station 4 – 4x 15' Energy

12:45 **Lunch**

1:45 – 5:30 pm **EXPERIMENTAL LABORATORY**
Exercises in Black Box (Orientation, Cognition, Knot and Intra-corporeal suture)

Lab coordinator:
Croider and Paulo

Exercise 1 30' (2 x 15')
2:00 - 2:15
2:15 - 2:30

Cognition: Navigation and Camera Man

****class review**** (2 X 15') - **Review, tactics and trucks:** Ergonomics and first assistants ("Camera Man"), with **Dr. Paulo Bertulucci** - in the Laboratory

Exercise 2 30' (2 x 15')
2:30 – 2:45
2:45 – 3:00

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

Exercise 3 30' (2 x 15')
3:00 – 3:15
3:15 – 3:30

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

Coffee Break

Needle Loading

Exercise 4 60' (2 x 30')
3:30 - 4:00
4:00 - 4:30

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

****class review**** (2 X 20') - **Review, tactics and trucks:** Trocar needle insertion, Needle Loading and transfixation through tissue - at the Laboratory

Exercise 5 60' (2x 30')
4:30 – 5:00
5:00 – 5:30

Transfixation of the needle by the synthetic tissue

****class review**** (2 X 20') Basic structure of the surgical knot - at the Laboratory

5:30 End of training

DAY 2

**EXPERIMENTAL
LABORATORY**
08:00 am– 12:00 am

Laparoscopic training box – Intracorporeal Knot Tyng

Lab coordinator:
Croider Lacerda
Paulo Bertulucci

Exercise 6 120` (4 x 30`)

Gladiator technique and Smile technique

08 :00 – 8 :30

8 :30 – 9 :00

9 :00 – 9 :30

Coffee break

9 :30 – 10 :00

****class review **** (2 X 20`) - **Gladiator technique and Smile technique** with **Dr. Croider Lacerda**- In the Laboratory

****class review **** (2 X 20`) - **C – Loop and D-Loop formation** - In the Laboratory

Exercise 7 120` (4 x 30`)

C – Loop formation

10 :00 – 10 :30

10 :30 – 11 :00

11 :30 – 12 :00

12 :00 - 12 :30

****class review **** (2 X 20`) - **Difficult angles** - In the Laboratory

****class review **** (2 X 20`) - **Extracorporeal Knot Tying** - In the Laboratory

12:30 – 1:30 pm

Lunch

**EXPERIMENTAL
LABORATORY**
01:30 am– 3:00 pm

*Laparoscopic training box – Intracorporeal Knot Tyng
and Continuous Suturing*

Lab coordinator:
Croider Lacerda
Paulo Bertulucci

Exercise 6 40` (2x 20`)

D – Loop formation

1 :30 – 1 :50

1 :50 – 2 :10

****class review **** (2 X 20`) - Review and taking doubt laparoscopic **Continuous suturing** techniques - In the Laboratory

Continuous suturing

Exercise 8 60` (2 X 30`)

2 :10 – 2 :40

2 :40 – 3 :10

****class review **** (2 X 20`) - **Common mistakes** made in intracorporeal suturing, with **Dr. Paulo Bertulucci** - at the Laboratory

3:10 – 3:30

Coffee break

Theoretical Session (Auditorium)

03:30 – 5:40 pm

Chairman:

03:30 (20`)

Laparoscopic Appendectomy

03:50 (20`)

Laparoscopic cholecystectomy

04:10 (20`)

Laparoscopic Nissen Fundoplication

04:30 (20`)

Laparoscopic Inguinal hernia repair

04:50 (20`)

Laparoscopic Splenectomy

05:10 (20`)

Laparoscopic complications

05:30 (10`)

Discussion at the end of section

05:40 pm

End

DAY 3

8:00am – 5:00pm **EXPERIMENTAL LABORATORY – Practice on Live Tissue**

Lab coordinator: Croider Lacerda, Paulo Bertulucci

08:00- 08:15 am **Auditorium** - Demonstration of the exercises to be performed on living tissue **Croider Lacerda**

Exercises 9 (2x) Pneumoperitoneo com agulha de Verres

Exercise 10 (2x) Posicionamento dos Trocartes

Exercise 11 (1x) Laparoscopic Colectectomy

Exercise 12 (2x) Laparoscopic Nissen Fundoplication

Exercise 13 (1x) Laparoscopic Splenectomy

13:00 – 14:00 pm **Lunch**

Exercise 14 (2x) Laparoscopic Enterectomy

Exercise 15 (2x) Laparoscopic Gastro-entero-anastomosis

Exercise 16 (2x) Laparoscopic Inguinal hernia repair

17:00 **End of Course – Delivery of the certificates**