

bSUTURING

BASIC LAPAROSCOPIC SUTURING

04TH - 06TH APRIL, 2019



UNIDADE
RIO DE
JANEIRO

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CIENTIFIC DIRECTOR

Armando Melani

*Americas Medical City
Rio de Janeiro, Brazil*

COURSE DIRECTOR

Croider Lacerda

*Americas Medical City
Rio de Janeiro, Brazil*

OBJECTIVES

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

EDUCATIONAL METHODS

- Interactive theoretical and video sessions between faculty and course participants

FACULTY & TRAINER

- | | |
|----------------------|------------------------|
| - Allyson Hertz | - Paulo Jiquiriça |
| - Daiana Tonelloto | - Paulo Bertulucci |
| - Eury Sabino | - Renato Luna |
| - Flavio Sabino | - Roberto Marcellus |
| - José Ciongoli | - Roberto Heleno Lopes |
| - Leonardo de Castro | - Rodrigo Galhego |

FIRST DAY – 04th April, 2018

07:45 – 08:00 (15 minutes)	Registration	
08:00 – 08:10 (10 minutes)	Welcome to participants – Introduction of faculty members	<i>José Ciongoli</i>

Theoretical Session

Chairmen: Flavio Sabino, Daiana Tonelloto, Roberto Heleno and José Ciongoli

08:10 – 08:30 (20 minutes)	1- Equipment needed for suture (needle-holder, needle-guard, trocars and Selection of yarns and needles for suture VLP	<i>Rodrigo Galhego</i>
08:30 – 08:35 (05 minutes)	Discussion	
08:35 – 09:05 (30 minutes)	2- Geometry and Ergonomy of intra-corporeal suture VLP	<i>Paulo Bertulucci</i>
09:05 – 09:15 (10 minutes)	Discussion	
09:15 – 09:35 (20 minutes) Coffee Break		
09:35 – 09:55 (20 minutes)	5- Basic structure of the surgical knot	<i>Roberto Marcellus</i>
09:55 – 10:05 (10 minutes)	Discussion	
10:05 – 10:45 (40 minutes)	3- Introduction, Loading the needle and with drawal of the needle from the VLP cavity	<i>Croider Lacerda</i>
10:45 – 11:00 (15 minutes)	Discussion	
11:00 – 11:20 (20 minutes)	4- Camera men techniques in VLP suture	<i>Croider Lacerda</i>
11:20 – 11:30 (10 minutes)	Discussion	
11:30 – 12:30 (1 hour) Lunch at the Institute		

13:00 – 17:30 Experimental Laboratory – Blackbox - All faculty and trainers

Laboratory Coordinators: Croider Lacerda

13:00 – 13:10 (10 minutes)	*Small class* - Auditorium Review: Equipment for suture (needle holders, Grasper, Dissector, needles ...) with Team Storz e Dr. Jose Ciongoli
13:10 – 13:30 (20 minutes)	Exercise 1 – Cognition 1 Passing of the needle through the Hooks Circuit
13:30 – 13:50 (20 minutes)	Exercise 2 - Cognition 3 Passage of the needle and thread in the circuit of hooks
14:00 – 14:10 (10 minutes)	*Small class* - Auditorium Review: Surgical thread, with Team Medtronic (Thiago Tavares)
14:10 – 15:00 (50 minutes)	Exercise 4 - Exercise 3 – Needle Loading → Dancing needle technique, “pulling hair”, rotation technique, tissue help and adjust with thread
15:00 – 15:10 (10 minutes)	*Small class* - Auditorium Review, tactics and tricks: Trocar needle insertion, Loading the needle and transfixation through tissue with Dr. Croider Lacerda
15:10 – 15:30 (20 minutes) Coffee Break	
15:30 – 15:40 (10 minutes)	*Small class* - Auditorium Review, tactics and tricks: Transfixation of the needle by the synthetic tissue, with Dr. Croider Lacerda
15:40 – 16:00 (20 minutes)	Exercise 5.1 – First Step (Transfixation of the needle by the synthetic tissue)
16:00 – 16:20 (20 minutes)	Exercise 5.2 – Second Step (Double Transfixation)
16:20 – 16:40 (20 minutes)	Exercise 5.3 – Third Step (Clockwise and counterclockwise)
16:40 – 17:00 (20 minutes)	Exercise 5.5 – Forehand and Backhand
17:00 – 17:30 (30 minutes)	Exercise 5.4 – Fourth step (##Challenge ## Parallel Transfixation)
17:30 End of the Session	

SECOND DAY – 05th April, 2018

08:00 – 08:10 (10 minutes) Welcome

Theoretical Session

Chairmen: Paulo Jiquiriça, Daiana Tonelloto, Roberto Marcellus and Roberto Heleno

08:10 – 08:30 (20 minutes) 6- The suturing in laparoscopy: Knots Classification and suturing Techniques *José Ciongoli*

08:30 – 08:35 (5 minutes) Discussion

08:35 – 08:55 (20 minutes) 7- Intracorporeal Knot Tying (**Gladiator** technique and **Smile** technique) *Croider Lacerda*

08:55 – 09:00 (5 minutes) Discussion

09:00 – 09:20 (20 minutes) Coffee Break

09:20 - 10:20 Laparoscopic training box - Experimental Laboratory All faculty and trainers

Laboratory Coordinators: Croider Lacerda

09:20 – 10:20 (1 hour) **Exercise 6: Intracorporeal Knot Tying** (Gladiator technique and Gladiator's Smile)

10:20 – 10:30 (10 minutes) ***Small class*- Auditorium** Review and taking doubt laparoscopic intracorporeal Gladiator and Smile techniques with **Dr. Croider Lacerda** (*Training Box*)

10:30 - Theoretical Session

Chairmen: Paulo Jiquiriça, Daiana Tonelloto, Roberto Marcellus and Roberto Heleno

10:30 - 10:50 (20 minutes) **Intracorporeal Knot Tying (D – Loop formation and Smile)** *Croider Lacerda*

10:50 – 10:55 (5 minutes) Discussion

11:00 - 12:30 Experimental Laboratory – Laparoscopic training box - All faculty and trainers

Laboratory Coordinators: Croider Lacerda

11:00 – 12:20 (1 hour and 20 minutes) **Exercise 7: Intracorporeal Knot Tying (D – Loop formation and Smile)**

12:20 – 12:30 (10 minutes) **Small class*- Auditorium** Review and taking doubt laparoscopic intracorporeal D-Loop with **Dr. Croider Lacerda** (*Training Box*)

12:30 – 13:30 (1 hour) Lunch

13:30 – 14:00 Theoretical Session

Chairmen: Paulo Jiquiriça, Daiane, Roberto Marcellus and Roberto Heleno

13:30 - 13:40 (20 minutes)	8- Intracorporeal Knot Tying Szabo technique (C- Loop)	<i>Croider Lacerda</i>
13:40 – 13:45 (5 minutes)	Discussion	

14:00 - 15:30 Experimental Laboratory – Laparoscopic training box - All faculty and trainers

Laboratory Coordinators: Croider Lacerda

14:00 – 15:30 (1 hour and 30 minutes)	Exercise 8: Intracorporeal Knot Tying (C – Loop formation and Smile)
15:30 – 15:40 (10 minutes)	*Small class*- Auditorium Review and taking doubt laparoscopic intracorporeal C-Loop techniques with Dr. Leonardo de Castro (Training box)
15:40 – 16:00 (20 minutes) Coffee Break	

16:00 – 16:30 Theoretical Session

Chairmen: Paulo Jiquiriça, Daiane, Roberto Marcellus and Roberto Heleno

16:00 – 16:15 (15 minutes)	9- Common mistakes made in intracorporeal suturing	<i>Paulo Bertulucci</i>
16:10 – 16:15 (5 minutes)	Discussion	

16:30 – 17:30 Experimental Laboratory - Laparoscopic training box - All faculty and trainers

Laboratory Coordinators: Croider Lacerda

16:30 – 17:30 (1 Hour and 30 minutes)	Exercise 6: Intracorporeal Knot Tying (Gladiator technique and Gladiator's Smile)
	Exercise 7: Intracorporeal Knot Tying (D – Loop formation and Smile)
	Exercise 8: Intracorporeal Knot Tying (C – Loop formation and Smile)
17:30 End of the Session	

THIRD DAY – 06th April, 2018

08:00 – 08:10 (10 minutes) | Welcome

Theoretical Session

Chairmen: Fábio Madureira, Paulo Jiquiriça and Gastão José

08:10 – 08:25 (15 minutes)	10- Continuous Suturing	<i>Croider Lacerda</i>
08:25 – 08:40 (15 minutes)	11- Suturing at difficult angles	<i>Alexandre Santos</i>
08:40 – 09:55 (15 minutes)	12 – TEO Parallel Suturing	<i>Leonardo de Castro</i>
09:10 – 09:25 (15 minutes)	13- Complications in laparoscopic suturing	<i>José Ciongoli</i>
09:25 – 09:35 (10 minutes)	Discussion	
09:35 – 10:00 (25 minutes)		Coffee Break

10:00 – 13:00 Experimental Laboratory - Blackbox - All faculty and trainers

Laboratory Coordinators: Croider Lacerda, Alexandre Santos and Leonardo de Castro

Exercises of continuous suturing		
10:00 – 10:20 (20 minutes)	Exercise 9.1 – Traction and grip	
10:20 – 10:30 (20 minutes)	Exercise 9.2 – Schimieden’s or Bell’s continuous suturing	
10:30 – 10:40 (10 minutes)	*Small class* - Auditorium Review and taking doubt laparoscopic intracorporeal continuous suturing with Croider Lacerda (<i>Training Box</i>)	
10:40 – 11:00 (20 minutes)	Exercise 9.3 – Cushing’s continuous suturing	
11:00 – 11:10 (10 minutes)	Exercise 9.4 – Simple continuous Suturing (Kurschener’s suturing)	
11:10 – 11:20 (20 minutes)	Exercise 10 – Purse String Suturing	
11:40 – 12:00 (10 minutes)	*Small class* - Auditorium Review and taking doubt laparoscopic intracorporeal difficult angles with Croider Lacerda (<i>Training Box</i>)	
12:50 – 13:00 (10 minutes)	Exercise 9.5 – Exercises of suture at difficult angles	
13:00 – 14:00 (1 hour)		Lunch

14:00 – 15:30 Experimental Laboratory – Blackbox - All faculty and trainers

Laboratory Coordinator: Croider Lacerda

14:00 – 14:30 (30 minutes)	Exercise 6 – Gladiator’s and Smile’s technique
14:30 – 15:00 (30 minutes)	Exercise 7 – D-Lop formation
15:00 – 15:30 (30 minutes)	Exercise 8 – C-Lopp formation
15:30 End of the course	