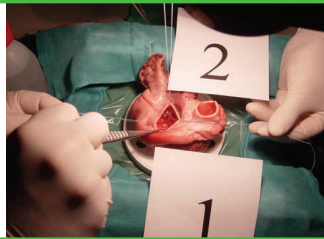


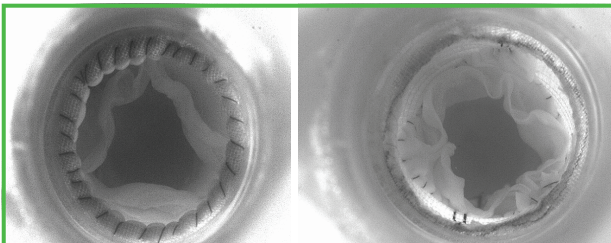
**1 MASTER station projected on the screen for a *step by step* approach.**

**1 tutor every 3 workstations for an adequate interactive experience.**

**Debriding on every valve repaired by high quality pictures analysis.**



#### **Sparing Procedures**



**Features of the repaired roots analysed in correct hemodynamic conditions by dedicated pulse-duplicator.**



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# **AORTIC VALVE ACADEMY**

## **WET LAB**

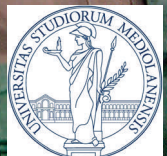
**on**

## **Aortic Valve Repair**

**March, 14<sup>th</sup>-15<sup>th</sup> 2014 - VII Edition**



**AORTIC  
VALVE  
REPAIR**





## WET-LAB Presentation

Aortic Root Functional Unit repair is confirmed to be one of the most innovative techniques in cardiac surgery.

A good knowledge of the functional anatomy and pathophysiology is of paramount importance for a surgical rational approach. The perfect learning of the various techniques requires an in-depth teaching methodology with "hands on" and "Knowledge Transfer" techniques.

The course is structured into a theoretical part, with the analysis of the surgical techniques, and a practical part, carried out by each participant on a porcine heart installed on a purposely-designed station, that could simulate the post-sternotomy surgical configuration. This year we focused our attention on the Echographic aspects and imaging methods to better define Aortic regurgitation characteristics and Root dimensions.

The continuous interaction between tutors and participants associated to the mutual comparison, make this course a 'unique' opportunity to master the root and valve repair techniques.

The success of previous editions of this course allows us to propose further extensions being able to analyze the repaired valve on a pulse duplicator by high speed digital camera and a dedicated echo.

The "how to start an Aortic Valve Repair Program" session will underline the best progression from the first simple techniques to a complete complex repair.

I hope to see you in Milan

Carlo Antona

### Course Director

**Prof. Carlo Antona**

Università degli Studi di Milano  
carlo.antona@unimi.it

### Scientific Comitee

**Dott. M. Lemma** lemma.massimo@hsacco.it

**Dott. A. Mangini** mangini.andrea@hsacco.it

**Dott. G. Gelpi** gelpi.guido@hsacco.it

### Organizing Secretariat

"L. Sacco" University Hospital - Milano - Italy  
Tel. + 39 02 3904 2333 - Fax + 39 02 3904 2652

To receive the registration form, please  
e-mail to [cardiochirurgia@hsacco.it](mailto:cardiochirurgia@hsacco.it)

The registration form must be received before  
February 15<sup>th</sup> 2014

### Limited to 20 participants

#### Participation Fee

€ 1.500,00 including:  
Syllabus  
DVD with repaired valves pictures  
4 Coffe Breaks, 2 Lunches, 1 Dinner  
2 nights accomodation in a 4 stars  
Hotel  
Transfers Hotel/Hospital  
Hotel/Restaurant

#### Location

Settore didattico L.I.T.A.  
Azienda Ospedaliera - Polo Universitario  
"Luigi Sacco"  
Via G.B. Grassi, 74 - 20157 Milano

## Course Program

### DAY 1: Leaflets Repair and F.U. stabilization

8.30 Welcome and opening remarks

C. Antona

9.00 Surgical anatomy, physiology and classifications of the Aortic Root Functional Unit

A. Mangini

9.30 How to measure an Aortic Root: CT—MR

G Gelpi

9.50 How to measure an Aortic Root and the degree of incompetence: TTE—TEE

A. Cialfi

10.10 How to Approach Aortic valve repair

M. Lemma

10.30 **Valve Analysis:**

- Valve Exposure
- Root Evaluation
- Leaflets Evaluation

C.Antona

11.00 **Break**

11.30 **Repair Techniques:**

- VAJ and Leaflets repair
- STJ Repair

C. Antona

12.30 Discussion

13.00 **Lunch**

14.00 **Wet-Lab**

**Tutors:**

C. Antona, M. Lemma, A. Mangini, G.Gelpi

17.30 **Break**

17.45 Pulse Duplicator and Echo Analysis on a selected valve

R. Vismara and faculty

18.15 Lecture

Honored Guest

20.30 **Dinner.**

### DAY 2: Sparring Procedures

08.30 **Sparring Procedures:**

- Different Approaches
- Different Prosthesis
- Tips and Tricks
- Valve Reassessment after a sparing procedure

Faculty

10.30 **Break**

10.45 **Wet-Lab:**

**Tutors:**

C. Antona, M. Lemma, A. Mangini, G.Gelpi

13.45 **Lunch**

15.00 How to start an Aortic Valve Repair Program

C.Antona, M. Lemma

15.30 Pulse Duplicator and Echo Analysis on a selected root

R. Vismara and Faculty

16.00 Film Session

17.00 Individual Debriefing and take-home messages

17.30 Closing Remarks

C.Antona

