



UNIVERSITÀ
DEGLI STUDI
FIRENZE

DMSC
Dipartimento di Medicina
Sperimentale e Clinica

Department of Clinical and Experimental Medicine
Director: Prof. Francesco Annunziato



14th

2nd level Master in

Bronchoscopy and Interventional Pulmonology

Coordinator: **Prof. Lorenzo Corbetta**

Director of Advanced Training Program in Interventional Pulmonology
Careggi University Hospital

Scientific Committee

Piero Candoli, Bologna
Lorenzo Corbetta, Firenze
Giovanni Galluccio, Roma
Carlo Mereu, Pietra Ligure
Lucio Michieletto, Venezia
Marco Patelli, Bologna
Stefano Romagnoli, Firenze
Sara Tomassetti, Firenze
Luca Voltolini, Firenze

Websites:

<http://master.pneumologia-interventistica.it/>
<http://master.pneumologia-interventistica.it/index.php/2015-01-27-11-08-40/students-from-abroad>

For registration:

<https://www.unifi.it/p12042.html#broncoscopia>

Endorsed by



Con il Patrocinio di



European Association of Bronchoscopy and Interventional Pulmonology

Master's Values

1. University Master 2nd level certification in Interventional Pneumology valid as a curriculum title.
2. 13 years of teaching experience that has led to a structured program, compliant with the core curriculum and international standards for the professional figure of the Interventional Pneumologist with lessons carried out by leading Italian, foreign experts and qualified tutors.
3. Innovative experiential teaching methods which are oriented to professional competence with the use of low and high fidelity simulation and log-book registration of the activities carried out by the learner.
4. 3-week internship in Centers distributed throughout the national territory.
5. Reference manual created by the Master teachers: "Monography on competence in Interventional Pulmonology" - Ed. Panminerva 2019 Torino.
6. Website for communications and with the archive of the educational resources (<http://master.pneumologia-interventistica.it>) with an e-learning platform where you can find the recorded lessons, teaching material and scientific update.
7. Teaching and evaluation sessions carried out at the Careggi University Hospital on working days to allow the attendance in the Endoscopic Room and in the new "Student Hotel" location on holidays.
8. Quick connections to reach the center of Florence over the educational sites and agreements with hotels, restaurants and with "Firenze Card".
9. Publication of the final papers in indexed journals or with ISBN coding, valid requirement for public competitions.
10. Inclusion of Master graduates in a national and international network for continuing professional development (Boot Camp, Workshops, Congresses).

Second Level Master in Bronchoscopy and Interventional Pulmonology

14th edition: 2022/23

Thoracic Endoscopy has developed fast in recent years thanks to the availability of new and more accurate instruments for the inspection of the bronchial tree together with the development of numerous new interventional procedures for the diagnosis and treatment of bronchopulmonary lesions. For this reason, the term Interventional Pneumology has been adopted internationally to define its strategic role in modern Pneumology for the diagnosis and treatment of neoplastic diseases of bronchus, lung and pleura, lung interstitial diseases, infectious pathology and tracheobronchial stenosis, and the interventional nature of procedures such as bronchial and transbronchial biopsy, transbronchial needle aspiration (TBNA), endosonography, virtual and electromagnetic pulmonary navigation, laser-assisted tracheobronchial unblocking, prosthesis placement, thermoplastic, pulmonary volumetric reduction and artificial airway management. In this new scenario it becomes increasingly important for the Pneumology specialist to acquire theoretical and practical skills in Interventional Pulmonology through a targeted and long-lasting post-university teaching that starts from the physiopathological bases of respiratory diseases to arrive at the acquisition of the main manual skills of the discipline. Therefore the Master's course aims to train a multi-purpose pulmonologist with professional skills in diagnostic and operative bronchoscopy, thoracoscopy, management of artificial airways through the synergistic contribution of University and Hospital professors.

The 14th Master in Interventional Pneumology follows the positive experience of the 13 previous editions which saw the participation of numerous specialists from all over the national territory. Since 2010, 300 physicians have been receiving a Master's degree in Interventional Pneumology: in very many cases they use their new skills and academic qualifications. Based on the acquired experience and international experiences, we have considered useful to treat the topics from 2 perspectives: the technical-procedural one and the analytical one, regarding the processes and diagnostic-therapeutic pathways that involve the execution of endoscopic procedures. Therefore, the most appropriate solutions will be proposed to the problems that are put to the Interventional Pulmonologist with the contribution of other specialties such as Thoracic Surgery, ENT, Radiology, Anesthesia and Resuscitation, Internal Medicine, Oncology. The teaching, led by experts from the University of Florence and the main Italian Centers of Interventional Pneumology, is mainly directed to medical specialists in respiratory system diseases and other specialists who have an interest in acquiring professionalism in this sector. The Master uses traditional frontal and seminar teaching methods together with innovative methodologies such as the use of virtual reality and manikins simulators, "real time" streaming connections with endoscopic rooms, e-learning sessions, videoconferences and different internships in the National centers.

The lessons are carried out in Flipped classroom mode which provides for the preliminary consultation the Moodle platform (<https://scuola.med.unifi.it>) of the lessons and teaching material, also valid as e-learning. The Master's course complies with International Standards, in particular those of the Association of Directors of International Pneumology Programs (AIPPD) for the standardization of interventional Pneumology scholarships based on the reports of the American Societies for the certification of professional activities. The assessment of competences is based, in addition to the lessons attendance, on the number of recorded procedures on a specific online logbook, on passing an MCQ (multiple choice questionnaire) examination, on the preparation of one paper (review and / or experimental study), on passing validated DOPS (Direct Observation Procedural Skill) on practical skills (B-STAT, EBUS-STAT, ENB-OCAT, UGSTAT).

Official text: AA. VV. Monography on competence in Interventional Pulmonology - Ed. Panminerva 2019 Torino September; 61 (3). English and Italian Ed.

Teaching methodologies:

- 1) interactive theoretical session (flipped classroom);
- 2) problem based discussion with the support of digital tools;
- 3) hands on practice on low and high-fidelity simulators;
- 4) live sessions and streaming from the bronchoscopy suite
- 5) final assessment of the competence by logbook and DOPS.

The course will be provided in Italian and English language by e-learning platform

Starting of the lesson: 22th of February, 2022.

Scheduled Program: 7 Modules of 5 days (4 online, 3 in presence), 3 weeks of internship. Every session will be transmitted on a videoconference platform and uploaded in a Youtube channel with translations

Official language: Italian, partially translated in English

Handbook: Monography on Competence in Interventional Pulmonology – Ed. Minerva 9/2019

Organizing secretariat: segreteria.master@pneumologia-interventistica.it

Phone: +39 340 6713445, +39 3394834619

Learning Targets - To achieve theoretical and practical knowledge in the following topics:

Basic competence

- Thoraco-pulmonary anatomy and histology and pathological anatomy of the main thoraco-pulmonary diseases.
- Thoraco-pulmonary radiological and surgical anatomy
- Thoraco-pulmonary physiopathology
- Professional accreditation, structure and medical-legal aspects in interventional pneumology.
- Training and computerization of interventional pulmonology facilities
- Risk management in Interventional Pneumology (check list, audit, M&M)
- Health Technology Assessment
- Interventional Pulmonology in Health Governance

**Competence-oriented teaching (Knowledge, Skills, Attitude)
- TOPICS**

Part A: Disease-specific basic knowledge requirements

Lung cancer and solitary pulmonary nodule	<ul style="list-style-type: none"> • Diagnosis, staging and natural history of thoracic malignancies to include lung cancer, mesothelioma, thymoma, lymphoma • Pathology of lung cancer • Indications, contraindications, limitations, complications, techniques, and interpretation of results of diagnostic and therapeutic procedures <ul style="list-style-type: none"> ○ integral to the discipline, including the appropriate indication for and use of screening tests/procedures as well as the risks and benefits of alternative procedures • Collaboration among specialists in the management of lung cancer: • multidisciplinary thoracic tumor board • Undiagnosed mediastinal and hilar lymphadenopathy
Malignant and non-malignant central airway disorders	<ul style="list-style-type: none"> • Malignant central airway disorders • Non-malignant central airway obstruction due to: • Tracheal/bronchial obstruction secondary to, for example, granulomatosis with polyangiitis, post-intubation/tracheostomy, tuberculosis, sarcoidosis, amyloidosis, recurrent respiratory papillomatosis, broncholithiasis, tracheal/bronchial malacia / excessive dynamic airway collapse secondary to relapsing polychondritis, Mounier-Kuhn syndrome, COPD • Foreign bodies • Vocal cord disorders • Airway complications following airway surgery/lung transplant to include anastomotic strictures/granulation • Airway stent-associated granulation tissue • Extrinsic compression from, for example, goitre, mediastinal cyst, lymphadenopathy • Pathophysiology and radiographic interpretation of central airway obstructions <ul style="list-style-type: none"> ○ Strategy on endoscopic and surgical treatment

Interstitial lung diseases and granulomatosis	<ul style="list-style-type: none"> • Classification, epidemiology, etiology, clinical and endoscopic diagnosis, treatment and follow-up of interstitial lung diseases • Radiographic (CT-Scan) interpretation of the main patterns of ILD and granulomatosis • Indication for interventional bronchoscopic diagnosis (BAL, transbronchial biopsy and needle aspiration, cryobiopsy) and for surgical biopsy
Pulmonary infections	<ul style="list-style-type: none"> • Classification, epidemiology, etiology, clinical and endoscopic diagnosis, treatment and follow-up of pulmonary infections • Radiographic and blood chemistry interpretation of pulmonary infections • Indication for interventional diagnosis (BAL, transbronchial biopsy and needle aspiration) • Management of critical phases of pulmonary infection
COPD and Asthma	<ul style="list-style-type: none"> • COPD • Pathophysiology, classification, imaging and treatment of severe COPD • Indications for the endoscopic treatment of emphysema • Asthma • Pathophysiology and treatment of severe asthma • Differential diagnosis of asthma • Indications for the endoscopic treatment of asthma(thermoplasty)
Pleural diseases	<ul style="list-style-type: none"> • Parapneumonic effusion and empyema • Malignant pleural effusions • Malignant mesothelioma • Recurrent non-malignant pleural effusions (chylothorax, hepatic hydrothorax / effusions due to refractory congestive heart failure) • Pneumothorax • Pleural fistulas • Knowledge of differential diagnosis and treatment through non-invasive (radiographic imaging, thoracic ultrasound) and invasive procedures (medical thoracoscopy with parietal pleural biopsy and pleurodesis, pleural catheter placement: chest tube, small bore catheter, and implantable tunnelled catheters, percutaneous pleural biopsy, VATS)

Part B: Skills in diagnostic and operative procedures

Flexible bronchoscopy and basic biopsy technique	<ul style="list-style-type: none"> • Flexible bronchoscopy and basic biopsy techniques: endobronchial biopsy, transbronchial biopsy, TBNA, ROSE, BAL, brushing
Endosonographic techniques	<ul style="list-style-type: none"> • Interventional endosonography (EBUS, EUS, EUS-B): Mediastinal and hilar lymph node sampling using convex endobronchial ultrasound
Bronchoscopic navigation	<ul style="list-style-type: none"> • Navigation, guided transbronchial biopsy (guided-TBB) for peripheral pulmonary lesions (PPL) and cryobiopsy for Interstitial Lung Disease (ILD) : image-guided or computer-guided diagnostic bronchoscopy for evaluation of

parenchymal opacities, of airway invasion vs compression, and to guide biopsy: fluoroscopy, electromagnetic pulmonary navigation, EBUS-radial probe and cryobiopsy, Cone Beam and augmented fluoroscopy, Robotic bronchoscopy

Operative bronchoscopy

- Rigid bronchoscopy with the following associated procedures:
 - Rigid core and mechanical debulking
 - Endobronchial ablative techniques using one or more of the following devices: Laser, Argon plasma coagulation, Electrocautery, Cryotherapy
 - Photodynamic therapy
 - Placement and removal of endobronchial stents (silicone, hybrid, dynamic)
 - Rigid sequential dilatation
 - Foreign bodies removal
 - Management of massive hemoptysis
 - Endoscopic treatment of emphysema and severe asthma
 - Markers implant
 - 3D stent

Pleural procedures

- Medical thoracoscopy with parietal pleural biopsy and pleurodesis
- Pleural catheter placement (chest tube, small bore catheter, and implantable tunnelled catheters)

Thoracic ecography

- Thoracic ultrasound to assess and guide interventions in the pleural space

Bronchoscopy in ICU, anaesthesiology, and thoracic surgery

- Bronchoscope intubation in difficult airways
- Management of endotracheal tubes, double lumen tubes and laryngeal mask
- Management of tracheostomy tubes
- Tracheobronchial aspiration to drain secretions
- Diagnosis of pulmonary infiltrates, VAP and ARDS in ICU
- Percutaneous dilatational tracheostomy placement and management
- Use and integration of interventional procedures in the management of surgical interventions: mediastinoscopy, thoracotomy and lung resection, thoracoscopy and video-assisted thoracoscopy, surgical management of empyema, lung volume reduction surgery, lung transplantation, laryngeal/tracheal resection and reconstruction, tracheoplasty, suspension laryngoscopy, open surgical tracheotomy, pulmonary sequestration, and management of other malformations, cystic lesions, empyema
- Clinical and surgical staging of lung cancer, Diagnosis and treatment of surgical complications: loss of airway integrity; anastomotic dehiscence, tracheobronchial/esophageal fistula, broncho-pleural/alveolar-pleural fistula; management of chest drainage

Emergency in Interventional Pulmonology

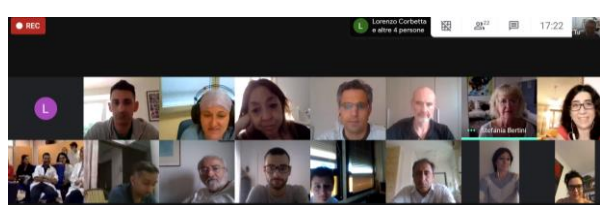
- Bronchoscopic management of massive hemoptysis, foreign body, thoracic trauma, central airway obstructions and lesions, surgical complications
- Pediatric thoracic emergency

New treatments in asthma and COPD

- Endoscopic treatment of emphysema and severe asthma
- Rheoplasty

2009-2019: 10 years of Master in Bronchoscopy and Interventional Pulmonology





A.A. 2019-2020





Master di II° livello in Broncoscopia e Pneumologia Interventistica Anno Accademico 2022/2023

Short program

Sessions

Workshops

21th of February 2022, 2.30 pm: Opening Ceremony

- Lecture: Training and Competence in Interventional Pulmonology: the Master experience
- Presentation of the faculty and participants
- Presentation of the program
- MCQ Assessment

1st session: 22nd to 24th February:

- Basic bronchoscopy and biopsy techniques
- ROSE
- Live Streaming from the Endoscopy Suite
- Live or prerecorded lessons
- Flipped Classroom and problem based discussion
- Q&A with the participants

2nd session: 4th to 8th of March:

- Live Streaming from the Endoscopy Suite
- Live or prerecorded lessons
- Endosonography
- Pulmonary navigation
- Operative bronchoscopy
- Anesthesia in flexible and rigid bronchoscopy
- Flipped Classroom and problem based discussion

- Q&A with the participants

21st to 22nd of April: Workshop on hands-on practice at the Body Lab Iclo of Verona (optional with registration: see below)

3rd session: 6th to 10th of May:

- Live Streaming from the Endoscopy Suite
- Respiratory infections
- Pleural diseases, pleural procedures, thoracoscopy
- Integrated treatment of Emphysema
- Thoracic Echography
- Hands-on Practice in bronchoscopy, EBUS, rigid bronchoscopy and pleural procedures with simulators
- Q&A with the participants

Workshop 1:

5 of May:

Update on Lung
Tumor and
Multidisciplinary
Team Discussion

4th session: 16th to 20th of June:

- Live Streaming from Endoscopy Suite
- Hands-on practice in bronchoscopy, EBUS, rigid bronchoscopy and pleural procedures with simulators
- Problem based discussion
- Flipped classroom
- Practical Assessment
- Q&A with the participants

5th session: 15th to 19th of September:

- Bronchoscopy in Emergency, anaesthesia and UTI
- Paediatric bronchoscopy
- Cryobiopsy and interstitial lung diseases
- Hands-on Practice in bronchoscopy, EBUS, rigid bronchoscopy and pleural procedures with simulators
- Problem based discussion
- Flipped classroom
- Q&A with the participants

Workshop 2:

18th of

September:

Update on
Diffuse Lung
Disease and
Crybiopsy and
MDT

6th session: 12th to 14th of October:

- Thermoplasty in Asthma
- Hands-on Practice in bronchoscopy, EBUS, rigid bronchoscopy and pleural procedures with simulators
- Case Based Discussion
- Flipped classroom
- Practical Assessment
- Preparation of the final thesis
- Q&A with the participants

Workshop 3:
13th of October:
Integrated treatment bronchial asthma and emphysema

May to November 2022: Internships in the IP National (and International) Centres

28th of October 2022: Final MCQ assessment

24th of November 2022: Final examination and Diploma

General indications:

Each lesson lasts 45'- 1h including discussion.

Morning streams are additional but contribute 50% of the internship hours and the other 50% of on-site practice hours.

During the streaming, there will be 1 or more medical and nursing operators from the Unit of Interventional Pulmonology and 2 commentators (1 in room and 1 external). There could be more than one room in connection.

The sessions in presence may undergo changes transforming themselves into videoconferences on the basis of University and Government directives.

It is necessary to participate at least 2/3 of the lessons. Online presence is considered 50%.

It is mandatory to participate to 70% of the Laboratories (Practical sessions) and internship (in blu colour)



Master di II° livello in Broncoscopia e Pneumologia Interventistica Anno Accademico 2022/2023

I SESSION: 21st-24th of February 2023

Opening ceremony and Basic Bronchoscopy

Tuesday, 21st of February - Opening Ceremony - Aula Magna ex Presidenza (hybrid)

2.30pm - 3pm	Introduction and Welcome of the participants	<p><i>Academic authorities:</i></p> <p><i>F. Annunziato</i> (Direttore Dipartimento DMSC – R. De Angelis (RAD DMSC)</p> <p><i>Master Coordinator:</i> <i>L. Corbetta</i></p>
3pm - 4pm	Presentation of Faculty and participants	<p><i>S. Tomassetti, P. Candoli, M. Patelli, G. Galluccio, L. Michieletto, M. Trigiani, L. Lazzari, V. Luzzi, R.M. Piperio, L. Ciani, L. Giuntoli</i></p>
4pm - 5pm	Program and organization of the Master	<p><i>L. Corbetta, M. Di Pirro, E. Piampiano</i></p>
5pm - 6pm	Reading: Training and competence in Interventional Pneumology: the Master's experience	<p><i>L. Corbetta</i></p>
6pm - 7pm	Admission test - Valuation MCQ	

Wednesday, 22nd of February - Training center

8am - 8.30am Presentation of live sessions

L. Corbetta

8.30am - 1.30pm Live streaming from endoscopic room

*L. Corbetta, S. Tomassetti, M. Trigiani, V. Luzzi, R.M. Piperio, C. Maddau, S. Cannistrà
Coordination: P. Candoli*

Lunch break

2.30pm - 3.15pm From Bronchoscopy to Interventional Pneumology

M. Patelli

3.15pm - 4pm Anatomy e semeiotic bronchoscopy

C. Mereu

4pm - 5pm Thoracic Anatomy and virtual autopsy (Anatome)

F. Paternostro

5pm - 6pm Radiological anatomy of the lung and mediastinum

C. Moroni, A. Bindi, E. Cavigli

Thursday, 23rd February - Training center

Chairman: L. Corbetta

8am - 8.30am Presentation of live sessions

L. Corbetta

8.30am - 1.30pm Live session Video streaming with endoscopic room

Coordination: L. Michieletto

Lunch break

2.30pm - 4pm Diagnostic bronchoscopy: general aspects (structure, tools and personnel)

L. Lazzari

4pm - 5pm Contraindications to bronchoscopy and anti-aggregant/anticoagulant guidelines in pneumology.

A. Comel

5pm - 6pm Indications for bronchoscopy and strategies for correct sampling

L. Corbetta

Friday, 24th of February - Training Center

Chairman: L. Corbetta

8.30am - 9.30am Sampling techniques; biopsies, TBB, TBNA and more

M. Majori

9.30am - 10.30am	Sampling techniques: BAL and ROSE	<i>G. Marcianò</i>
10.30am - 11.30am	Cytoassistance	<i>C. Maddau</i>
11.30am - 12.30pm	Management of endoscopic sampling in neoplasms and granulomatosis.	<i>V. Livi</i>
12.30pm - 13.30pm	Importance of histological sampling in the diagnosis of sarcoidosis	<i>M. Bonifazi</i>

II SESSION: 4th-8th of March 2023

Endosonography - Pulmonary Navigation - Sedation and Anesthesia

Saturday, 4th March - The Social Hub (ex Student Hotel)

Chairmen: S. Popovic, P. Candoli

9.30am - 10.30am	Strategy and role of mediastinal endosonography in the diagnosis and staging of NSCLC	<i>M. Romagnoli</i>
10.30am - 11.30am	Instruments and accessories of endosonography	<i>P. Candoli</i>
11.30am - 12.30pm	EBUS Cryonode biopsy	<i>H. Gonuguntla</i>
12.30pm - 1.30pm	EUS	<i>A. Rozman</i>
Lunch Break <i>Chairman: L. Michieletto, M. Romagnoli</i>		
2.30pm - 3.15pm	Body vision	<i>P. Candoli</i>
3.15pm - 4pm	Ultrathin bronchoscope	<i>L. Zuccatosta</i>
4.30pm - 5pm	Radial EBUS in the pulmonary nodule	<i>L. Michieletto</i>
5pm - 5.30pm	Archimedes	<i>N. Facciolongo</i>
5.30pm - 6.30pm	EMN and Cone bean CT/AF	<i>E. Van Der Hajden</i>

Sunday, 5th of March 9.00-13.00: Problem based discussion - The Social Hub (ex Student Hotel)

Monday, 6th of March - Training center

8am - 1.30pm	Presentation of live sessions	<i>Chairmen: L. Corbetta</i>
	Live session Video streaming from endoscopy room	<i>G. Galluccio</i>
	Problem based discussion	
	Technological Corner	

2pm - 6pm **International workshop:**
Navigation systems: new insights
1st session: Chairmen R. Trisolini, M. Munavvar

2.30pm - 3.30pm	Management of ground glass opacities: which algorithm for decision-making?	<i>Erik Van Der Hajden</i>
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3.30pm - 4.30pm	Pulmonary Nodules: tips and tricks	<i>C. Argento</i>
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4.30pm - 5.15pm	Monarch Robotic navigation	<i>S. Murgu</i>
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Break
2nd session: J. Annema – A. Bugalho

5.30pm - 6.15pm	Ion robotic navigation	<i>M. Pritchett</i>
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6.15pm - 7pm	Navigation system and Robotics for thermoablation	<i>Calvin NG</i>
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Tuesday, 7th of March - Training center

8am -

Chairmen: L. Corbetta

1.30pm

Presentation of live sessions

P. Candoli

Live session Video streaming with endoscopy room

Problem based discussion

Technological Corner

Lunch Break

2.30pm - 3.30pm

Reading: cytoinclusion, clot core, TBB, cryobiopsy the
opinion of the pathologist

*C. Comin,
V. Pasini*

3.30pm - 6.30pm

Histological and cytological examination on slide:
presentation of clinical cases

*Chairmen: L. Corbetta, S.
Tomassetti*

*C. Comin, C. Maddau,
S. Cannistrà, V. Pasini,
L. Ciani, L. Giuntoli*

Wednesday, 8th of March - Training center

Chairmen: L. Corbetta

8am -

1.30pm

Presentation of live sessions

Live session Video streaming with endoscopy room

L. Michieletto

Problem based discussion

Technological Corner

Lunch break

2.30pm -

5.30pm

Bronchoscopic sedation

*Chairman: P. Fontanari-
L. Corbetta*

2.30pm -

3.30pm

General anesthesia in flexible and rigid bronchoscopy

A. Bechi

3.30pm -

4.30pm

Pulmonology-managed sedation in bronchoscopy

L. Michieletto

4.30pm -

5.30pm

Discussion with National Centres

G. Galluccio, P. Candoli

Integrated activity to the Master:



SAVE THE DATE

IP BODY LAB EXPERIENCE

Skills in basic and advanced
Interventional Pulmonology
Postgraduated Course

VERONA

21-22 Aprile 2023

1 giorno 10:00-18:00
Sessione Teorica e Pratica Wet & Dry Lab

2 giorno 09:00-13:30
Sessione Pratica Wet & Dry Lab

Sede del Corso
ICLO Teaching and Research Center
Via Evangelista Torricelli, 15A
37135 Verona

IP BODY LAB EXPERIENCE

Un tema molto sentito nel mondo e che sta emergendo anche in Italia è la strutturazione del training in Pneumologia Interventistica nella diagnosi e trattamento delle principali patologie del polmone come il tumore del polmone e le patologie croniche ostruttive (Asma e BPCO). Negli ultimi 20 anni è infatti notevolmente aumentato il numero di procedure in ambito pneumologico e la loro complessità tanto da far raccomandare un training aggiuntivo dopo la specializzazione. Per tale motivo sono state proposte 2 modalità di training che tengano conto delle caratteristiche professionali dei discenti. Il percorso strutturato e intensivo costituito dal Master Universitario di durata annuale e percorsi più flessibili ma guidati basati sulla pratica nella sede lavorativa con approfondimenti con corsi in presenza o in e-learning. Per entrambi è necessario però standardizzare le modalità e gli strumenti formativi ma soprattutto i criteri di valutazione e di certificazione finale. La maggior parte dell'apprendimento avviene attualmente attraverso modalità

Skills in basic and advanced
Interventional Pulmonology
Postgraduated Course

scarsamente efficaci che consistono nella somministrazione passiva di lezioni frontali e dall'apprendimento pratico direttamente sul paziente secondo una strategia "see one, do one, teach one" mentre il nuovo modello didattico dovrebbe basarsi su una didattica orientata alla competenza costituita dalle conoscenze, dalle abilità e dai comportamenti. Le modalità didattiche dovrebbero basarsi su lezioni interattive che coinvolgono direttamente il discente e su un apprendimento pratico che utilizzi preliminarmente la simulazione delle procedure (task trainer) e solo in un secondo tempo sulla pratica sul paziente con supervisione del tutor.

Il presente Corso sugli skills in Pneumologia Interventistica prevede pertanto una prima fase di aggiornamento sulle conoscenze scientifiche per gestire il paziente che necessita di procedure interventistiche e una seconda fase interattiva su casi clinici e sessioni di simulazione condotta da tutors esperti su modelli di cadavere.

TENTATIVE FACULTY

E. Barisione (Genova)
P. Candoli (Bologna)
S. Cannistrà (Firenze)
A. Cornel (Peschiera)
N. Facciolo (Reggio Emilia)
T. Galasso (Bologna)
G. Galluccio (Roma)
F. Lanfranchi (Mestre)
L. Lazzari Agli (Rimini)
V. Livi (Roma)
V. Luzzi (Firenze)
C. Maddau (Firenze)
M. Majori (Parma)

L. Mancino (Mestre)
G. Marchetti (Brescia)
L. Michieletto (Venezia)
C. Micheletto (Verona)
F. Natali (Bologna)
M. Patelli (Bologna)
M. Romagnoli (Treviso)
M. Salio (Alessandria)
S. Scarlata (Roma)
M. Trigiani (Firenze)
R. Trisolini (Roma)
S. Tomassetti (Firenze)

QUOTA ISCRIZIONE

€ 950,00 iva inclusa
L'iscrizione comprende:

- Badge di accesso alle sessioni scientifiche
- Attestato di partecipazione
- Nr. 1 Snack Lunch

Il Corso Teorico Pratico è a numero chiuso e prevede 50 partecipanti.

Le iscrizioni dovranno essere effettuate online al sito www.startpromotion.it entro e non oltre **20 Marzo 2023**

SEGRETERIA ORGANIZZATIVA

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info@startpromotion.it
www.startpromotion.it

21st-22nd of April 2023: more info in the master's website

III SESSION: 6th-9th of May 2023

Operative bronchoscopy
Lung tumor and multidisciplinary team
Integrated treatment of pulmonary emphysema
Bronchoscopy in infectious diseases
Live video streaming session with the endoscopy room
Practical sessions

Workshop: 5th of May 2023

Multidisciplinary management of lung tumor

Friday, 5 of May – AOu Careggi

10am Opening of secretary and registration of participants

10.15am Course introduction [L. Corbetta](#)

Chairmen: [L. Corbetta](#) – [M. Trigiani](#)

10.30am-12.30pm Live session Video streaming with endoscopy room
Problem based discussion

12.30 – 13.00 Discussion [G. Galluccio](#) – [P. Candoli](#)

Moderators: [S. Tommasetti](#) – [L. Corbetta](#)

2pm-2.20pm Diagnostic process: where and how to improve [K. Ferrari](#)

2.40pm-3pm The resources of the interventional pulmonologist in optimizing blood sampling [L. Michieletto](#)

3pm-3.20pm The resources of the interventional radiologist in optimizing blood sampling [F. Mondaini](#)

3.20pm-3.40pm Role of cytology and ROSE [C. Maddau](#) – [S. Cannistrà](#)

3.40pm-4pm The ideal histological sample for NSCLC [C. Comin](#) – [V. Pasini](#)

Coffe break

Chairmen: [A. Grosso](#) – [C. Moroni](#)

4.20pm-4.40pm Role of molecular analyzes in NSCLC between needs and opportunities
[C. Bartoli](#) - [F. Castiglione](#)

4.40pm-5pm New lung tumor surgery techniques and complementary therapies *L. Voltolini*

5pm - 5.20pm Adjuvant and neoadjuvant therapy and the role of the optimized sample *F. Mazzoni*

5.20pm - 5.40pm Therapy of IIIB and IV stage and the role of the optimized sample *V. Scotti*

5.40pm - 6.30pm Problem based discussion: GOM members

Saturday, 6th of May – The Social Hub (ex Student Hotel)

10am - 1pm Hands-on practice with simulators

***Tutors:** M. Trigiani, T. Galasso, P. Candoli M. Patelli, G. Galluccio, S. Scarlata, C. Maddau, S. Cannistrà, V. Luzzi, L. Michieletto*

1pm - 2pm Lunch break

2pm - 6pm Hands-on practice with simulators

M. Zanobetti, L. Sammiceli, M. Romagnoli F. Montinaro, A. Tofani, L. Lazzari, M. Trigiani, T. Galasso, P. Candoli M. Patelli, G. Galluccio, S. Scarlata, C. Maddau, S. Cannistrà, V. Luzzi, L. Michieletto, M. Ferrari

Sunday, 7th of May – The Social Hub (ex Student Hotel)

9am – 1pm Problem based discussion – Thesis' preparation

M. Trigiani, P. Candoli, G. Galluccio, S. Scarlata, L. Michieletto, L. Lazzari, M. Patelli

Monday, 8th of May – Fiesole [Master integrated activity]

Pharmacological and non-pharmacological treatment of COPD

9am – 6pm Chairmen: F. Lavorini, L. Corbetta

Treatment of Emphysema in the GOLD Guidelines

L. Corbetta

Endoscopic treatment of Emphysema in CV – and CV + patients

K. Klooster

Endoscopic treatment of chronic bronchitis

E. Slebos

Centered treatment of emphysema with thermal vapor

F. Herth

Alternative indications of endobronchial valves: Air leaks

L. Zuccatosta

Endoscopic treatment of tuberculous caverns and mycobacteriosis

V. Luzzi

Infectious diseases (pneumonia, TB, Mycobacteriosis, COVID): role of bronchoscopy

L. Michieletto

Microbiological classification of respiratory infections

An. Galano

Management of TB and emerging infections

PG Rogasi

Management of NTM

J. Mencarini

Presentation of the study *Valves for Management of T and NTM cavities*

L. Corbetta

Tuesday, 9th of May – Fiesole [Collaboration with SIET]: Operative bronchoscopy

Chairmen: S. Cavaliere – G. Cardillo

9am – 1pm	Operative bronchoscopy tools: Rigid bronchoscope, Laser, cryo, APC, PF electrocautery	<i>PF Foccoli</i>
	Endoscopic treatment of benign strictures	<i>M. Patelli</i>
	Endoscopic treatment of tumors of the trachea and high stenosis	<i>A. Marchioni - Mattioli</i>
	Surgery of the trachea	<i>L. Voltolini</i>
	Operative bronchoscopy: fistula treatment	<i>G. Galluccio</i>
	Role of bronchoscopy in lung transplantation	<i>P. Solidoro</i>
	Reading: benefits of robotics in thoracic surgery and bronchoscopy	<i>F. Melfi</i>
2.30pm - 6pm		<i>Chairmen: H. Datau – G. Stratakos</i>
	Tracheal replacement: where are we at the present time?	<i>Emmanuel Martinod</i>
	Could 3D printed stents be an option?	<i>Nicolas Guibert</i>
	Active stents	<i>Toni Rosell</i>
	Biodegradable stents	<i>Kaid Darwiche</i>
	Semi-Rigid bronchoscopy for stenting: a new tool	<i>Lutz Freitag</i>

IV SESSIONE: 16th - 20th of June 2023

Pleural pathologies and procedures and thoracoscopy

Thoracic ultrasound

Live video streaming with the endoscopy room

Practical sessions

Friday, 16th of July – The Social Hub (ex Student Hotel) [in collaborazione con ADET]

Chairman: F. Tursi

9am - 10am	Fundamentals of ultrasound physics and thoracic ultrasound	<i>G. Soldati</i>
10am - 11am	Ultrasound application in pleural pathology, certainties and news	<i>GP Marchetti</i>
11am – 12am	To be defined	
12am – 13pm	To be defined	
Lunch break		
2.30pm - 3pm	Medical thoracoscopy	<i>P. Carlucci</i>
3pm – 3.30pm	Pleural Chest drains	<i>M. Trigiani</i>
3.30pm - 4pm	Talc powder: which and when	<i>M. Trigiani</i>
4pm – 4.30pm	Thoracoscopy or drainage in infectious pleurisy	<i>M. Mondoni</i>
4.30pm - 5pm		<i>A. Zanforlin</i>

5pm - 5.30pm	POC thoracic ecography	<i>T. Toma</i>
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5.30pm - 6pm	Blue-protocol	<i>M. Zanobetti, L. Sammicelli</i>
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Saturday, 17th of June – The Social Hub (ex Student Hotel) [in collaborazione con ADET]

9am - 11am	Practical exercises: the best of Pleural Hub	<i>Tutors: GP Marchetti, F. Tursi, M. Trigiani, T. Galasso, P. Candoli M. Patelli, L. Michieletto</i>
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Sunday, 18th of June

9am - 1pm	Problem based discussion
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Monday, 19th of June – Training center

8.30am – 12pm	Live session Video streaming with the endoscopy Room (everyone); Practical exercises in the endoscopy room in groups (max 3)	<i>Chairmen: L. Corbetta, M. Patelli</i>
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12am - 1.30pm	Practical exercises on simulator high fidelity Simbionix; Practical exercises on simulator EBUS low fidelity Technological Corner: practical demonstration of tools by companies	<i>L. Corbetta, M. Patelli</i>
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Lunch break

2.30pm - 3.30pm	Problem based discussion
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3pm - 6.30pm	Hands-on Practice on simulator high fidelity Simbionix; EBUS low fidelity Technological Corner: practical demonstration of tools by companies	<i>Tutors: L. Corbetta, M. Patelli, M. Trigiani</i>
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Tuesday, 20th of June – Training center

8.30am - 12pm	Live session Video streaming with endoscopy room (everyone); Hands-on practice in the endoscopic room in groups (max 3)	<i>Chairmen: P. Candoli, L. Corbetta, M. Trigiani</i>
12pm - 1.30pm	Hands-on practice on simulator high fidelity Simbionix; EBUS low fidelity	<i>L. Corbetta, P. Candoli, M. Trigiani,</i>
Lunch break		
2.30pm - 5pm	Hands-on practice with EBUS, EBUS TBNA, ROSE, Electromagnetic pulmonary navigator, sampling techniques with ROSE	<i>P. Candoli, G. Galluccio, C. Maddau, L. Corbetta, M. Trigiani, V. Luzzi, S. Cannistrà</i>

V SESSION: 15th - 19th of September 2023

Bronchoscopy in Anesthesia and Resuscitation

Pediatric Bronchoscopy

Interstitial diseases - Cryobiopsy

Practice sessions in Bronchoscopy, EBUS, rigid bronchoscopy and pleural procedures with simulators.

Friday, 15th of September - On-line

Conference

Bronchoscopy in anesthesia and respiratory intensive care

Tracheostomy and cannula management

Emergencies in bronchoscopy

Coordination

*L. Corbetta – S.
Romagnoli*

9am - 9.15am

Presentation

S. Romagnoli

**9.15am -
11.15am**

Role of bronchoscopy in intensive care and difficult
intubation: theory and practice

M. Sorbello

**11.15am -
1pm**

Laryngeal and bronchoscopic disposable masks

M. Micaglio

Lunch break

2.30am - 3pm

Emergencies in bronchoscopy

C. F. Simonassi

3pm - 4pm

Hemoptysis and endoscopic role

E. Barisione

4pm - 4.30pm

The availability of bronchoscopy: usefulness and situation
in Italy and in the world

M. Salio

4.30pm - 5pm

Hemoptysis in real life

A. Fois

Prerecorded

Replacement of tracheostomic cannula and
bronchoscopic evaluation in case of weaning and
decannulation

P. Candoli, A. Tofani

Tough intubation

G. Galluccio

Bronchoscopic assistance to the tracheotomy and
complications

F. Barbani

Complex procedures and sedation

L. Michieletto

Standardization of training in IP (prerecorded)

H. Lee

Saturday, 16th of September - Training center

9am – 1pm

Practical exercises with 3D simulators

*L. Corbetta, P. Candoli,
M. Trigiani*

Sunday, 17th of September - Training center

9am - 1pm

Problem based discussion

Monday, 18th of September - Training Center

8.30am - 1pm

Live session Video streaming with endoscopy room (everyone); Practical exercises in the endoscopic room in groups (max 3)

*Chairmen: L. Michieletto,
L. Corbetta, M. Trigiani*

Lunch break

Workshop: Update on Diffuse Lung Disease and Crybiopsy and Crybiopsy and MDT

*Chairmen: L. Michieletto,
L. Corbetta, M. Trigiani*

1.30pm - 2pm

Indications for the pharmacological treatment of UIP

E. Rosi

2pm - 2.30pm

Radiological patterns of interstitial diseases

C. Moroni

2.30pm - 3pm

Criobiopsie: indications and procedures

S. Tomassetti

3pm - 3.30pm

Histological evaluation

C. Comin

**3.30pm -
6.30pm**

Problem based discussion with GIM (Multidisciplinary Interstitial diseases Group)

Tuesday, 19th of September - Training Center

9am – 1pm

Live session Video streaming with endoscopy room (everyone); practical exercises in the endoscopic room in groups (max 3)

*L. Corbetta, P. Candoli,
L. Michieletto*

**2.30pm –
6.30pm**

Pediatric bronchoscopy: Organization of a pediatric respiratory endoscopy centre: Room, instrumentation, personnel involved. From hospitalization to discharge – Obstructions of the upper and lower airways and their endoscopy treatment in the pediatric patient.

*P. Serio, R. Baggi,
Avenali*

VI SESSION: 12th-14th of October 2023

Thermoplastic, Flipped classroom and preparation for final exams

Thursday, 12th of October – Training center

9am - 1pm	Live session Video streaming with endoscopy room (everyone); Practical exercises in the endoscopic room in groups (max 3)	<i>Chairman: M. Patelli</i> <i>Operators: M. Trigiani, V. Luzzi, L. Corbetta</i>
2pm - 5pm	Preparation for final exams and thesis	

Friday, 13th of October

9am - 1pm	Live session Video streaming with endoscopy room (everyone); Practical exercises in the endoscopic room in groups (max 3)	<i>Chairman: M. Patelli</i> <i>Operators: M. Trigiani, V. Luzzi, L. Corbetta, M. Mezzasalma</i>
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Lunch break

2pm - 5pm	Workshop: Treatment of bronchial asthma, BPCO, Bronchiectasis: combined endoscopic pharmacological approach	<i>G. Camiciottoli, C. Allegrini, N. Facciolongo, PL. Paggiaro, P. Shah</i>
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Saturday, 14th of October

9am - 1pm	Preparation for final exams and thesis Final meeting
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Master's coordinator

Prof. Lorenzo Corbetta

Direttore Programma di Formazione in Pneumologia Interventistica

Azienda Ospedaliero-Universitaria di Careggi

Tutors of endoscopy room:

- **Medical staff:** L. Corbetta, S. Tomassetti, M. Trigiani, V. Luzzi, R.M. Piperio, L. Ciani, L. Giuntoli, E. Pampiano
- **Nursing staff:** A. Castagna, L. Pandolfi, L. Tarchi, M. Bacci, S. Fontani, S. Vannucchi

Tutor of specific practical activities (online booking <http://master.pneumologia-interventistica.it>)

- Gruppo Oncologico Multidisciplinare Polmone (GOM): K. Ferrari, A. M. Grosso, V. Scotti, F. Mazzoni, A. Gonfiotti, L. Paggelli, S. Bongiolatti, C. Moroni, E. Cavigli, A. Bindi, T. Martini, M. Trigiani, V. Monti, C. Comin
- TC/FNA: Agoaspirato Transtoracico TC guidato
F. Mondaini – S.O.D. Radiologia Interventistica, AOU Careggi, Firenze
- ROSE
C. Maddau – G. Pompeo – C. Di Stefano – S. Cannistrà - Istituto per lo Studio e la Prevenzione Oncologia ISPO, Firenze
- Imaging
C. Moroni, E. Cavigli, A. Bindi - SOD Radiodiagnostica 4, AOU Careggi, Firenze
- Chirurgia toracica
L. Voltolini - S.O.D. Chirurgia Toracica, AOU Careggi, Firenze
- Ecografia Toracica
M. Zanobetti – S.O.D. Inquadramento Clinico Integrato e Percorsi Intraospedalieri delle Urgenze, AOU Careggi, Firenze
L. Sammiceli – S.O.D. Subintensiva di medicina, AOU Careggi, Firenze
- Ecografia toracica e toracosopia
M. Trigiani – S.O.D. Pneumologia Interventistica AOU Careggi, Firenze
- EUS
M. R. Biagini – S.O.D. Gastroenterologia Clinica, AOU Careggi, Firenze
- Valvole
V. Luzzi - S.O.D. Pneumologia Interventistica AOU Careggi, Firenze
- EBUS radiale - Navigazione
M. Trigiani - V. Luzzi – L. Ciani – L. Giuntoli - S.O.D. Pneumologia Interventistica AOU Careggi, Firenze
- Criobiopsie
S. Tomassetti – Direttore S.O.D. Pneumologia Interventistica AOU Careggi, Firenze

Tutor: Gestione Vie Aeree in anestesia e rianimazione

- P. Fontanari - C. Bechi - S.O.D. di Cardioanestesia e Cardiorianimazione, AOU Careggi, Firenze
- M. Micaglio – S.O.D. di Anestesia di Area Ostetrica e Ginecologica, AOU Careggi, Firenze.
- F. Barbani - S.O.D. di Anestesia e Oncologica e Terapia Intensiva, AOU Careggi, Firenze.
- S. Romagnoli - S.O.D. di Anestesia e Oncologica e Terapia Intensiva, AOU Careggi, Firenze.
- P. Serio – Broncoscopia Pediatrica, IRCCS Meyer, Firenze.

SESSION OF EXAMS AND FINAL EVALUATIONS

From September to November 2023: Internships, Stage in International centers IP

9th of November: Final evaluation MCQ

26th of November: Final exam and Diploma

Internship centers:

- Pneumologia dell'Ospedale/Università di Genova
- Pneumologia dell'Ospedale Sant'Angelo di Mestre.
- Pneumologia dell'Ospedale San Camillo Forlanini di Roma
- Policlinico Sant'Orsola Malpighi – Bologna
- Azienda AUSL della Romagna
- Spedali Civili di Brescia
- Policlinico Universitario Campus Bio-Medico di Roma.
- Ospedale V. Monaldi – Napoli.
- AOUC Ospedale Careggi – Firenze
- Azienda Ospedaliera-Universitaria di Modena
- Pneumologia Ospedaliera di Reggio Emilia

Secretary

Secretary of University Master Polo Biomedico

N.I.C. (Nuovo Ingresso Careggi) - Didattica Pad. 3 – 1st floor

(room 118) Largo Brambilla, 3 50134 Firenze Tel: 0039 (0)55 2751966 – 1967 master-bio@unifi.it

Scientific secretary

Dr.ssa Maria Giovanna Mugoli – Dr.ssa Marina Di Pirro

Dipartimento di Medicina Sperimentale e Clinica

Training Center Viale Pieraccini 50/B – Firenze 50134

Tel 0039 3406713445 - segreteria.master@pneumologia-interventistica.it

IT Manager: Dott. Edoardo Piampiano

Master's coordinator

Prof. Lorenzo Corbetta

Direttore Programma di Formazione in Pneumologia Interventistica

Azienda Ospedaliero-Universitaria di Careggi

Endoscopy room's tutors:

- **Personale medico:** L. Corbetta, S. Tomassetti, M. Trigiani, V. Luzzi, R.M. Piperio, L. Ciani, L. Giuntoli, E. Pampiano
- **Personale infermieristico:** A. Castagna, L. Pandolfi, L. Tarchi, M. Bacci, S. Fontani, S. Vannucchi

Specific practical activities' tutor (booking online <http://master.pneumologia-interventistica.it>)

- Gruppo Oncologico Multidisciplinare Polmone (GOM): K. Ferrari, A. M. Grosso, V. Scotti, F. Mazzoni, A. Gonfiotti, L. Paggelli, S. Bongiolatti, C. Moroni, E. Cavigli, A. Bindi, T. Martini, M. Trigiani, V. Monti, C. Comin
- TC/FNA: Agoaspirato Transtoracico TC guidato
F. Mondaini – S.O.D. Radiologia Interventistica, AOU Careggi, Firenze
- ROSE
C. Maddau – G. Pompeo – C. Di Stefano – S. Cannistrà - Istituto per lo Studio e la Prevenzione Oncologia ISPO, Firenze
- Imaging
C. Moroni - E. Cavigli - A. Bindi - SOD Radiodiagnostica 4, AOU Careggi, Firenze
- Chirurgia toracica
L. Voltolini - S.O.D. Chirurgia Toracica, AOU Careggi, Firenze
- Ecografia Toracica
M. Zanobetti – S.O.D. Inquadramento Clinico Integrato e Percorsi Intraospedalieri delle Urgenze, AOU Careggi, Firenze
L. Sammiceli – S.O.D. Subintensiva di medicina, AOU Careggi, Firenze
- Ecografia toracica e toracosopia
M. Trigiani – S.O.D. Pneumologia Interventistica AOU Careggi, Firenze
- EUS
M. R. Biagini – S.O.D. Gastroenterologia Clinica, AOU Careggi, Firenze
- Valvole
V. Luzzi - S.O.D. Pneumologia Interventistica AOU Careggi, Firenze
- EBUS radiale - Navigazione
M. Trigiani - V. Luzzi – L. Ciani – L. Giuntoli - S.O.D. Pneumologia Interventistica AOU Careggi, Firenze
- Criobiopsie
S. Tomassetti – Direttore S.O.D. Pneumologia Interventistica AOU Careggi, Firenze

Tutors: airway management under Anesthesia and Resuscitation

- P. Fontanari - C. Bechi - S.O.D. di Cardioanestesia e Cardiorianimazione, AOU Careggi, Firenze
- M. Micaglio – S.O.D. di Anestesia di Area Ostetrica e Ginecologica, AOU Careggi, Firenze.
- F. Barbani - S.O.D. di Anestesia e Oncologica e Terapia Intensiva, AOU Careggi, Firenze.
- S. Romagnoli - S.O.D. di Anestesia e Oncologica e Terapia Intensiva, AOU Careggi, Firenze.
- P. Serio – Broncoscopia Pediatrica, IRCCS Meyer, Firenze.

International Faculty: (to be confirmed)

J. T. Annema (Amsterdam)
C. Argento (Chicago – USA)
A. Bugalho (Lisboa – Portugal)
K. Darwiche (Germany)
H. Datau (Marseille)
L. Freitag (Switzerland)
H. Gonuguntla (Hyderabad – India)
N. Guibert (France)
K. Klooster (Netherlands)
F. Herth (Germany)
H. Lee (Baltimore – USA)
M. Munavvar (UK)
Calvin NG (Hong Kong)
E. Martinod (France)
S. Murgu (Chicago – US)
M. Pritchett (Boston)
T. Rosell (Spain)
A. Rozman (Slovenia)
P. Shah (London)
E. Slebos (Groeningen – The Netherlands)
G. Stratakos (Atene)
T. Toma (London – UK)
E. Van Der Hajden (Nijmegen - The Netherlands)

Teachers and tutor of Master and integrated activities

Allegrini C. (Firenze)
Avenali S. (Firenze)
Baggi R. (Firenze)
Barbani F. (Firenze)
Barisione E. (Genova)

Bartoli C. (Firenze)
Bechi A. (Firenze)
Bindi A. (Firenze)
Bonifazi M. (Ancona)
Camiciottoli G. (Firenze)
Candoli P. (Bologna)
Cannistrà S. (Firenze)
Cardillo G. (Roma)
Carlucci P. (Milano)
Castiglione F. (Firenze)
Catino C. (Treviso)
Cavaliere S. (Brescia)
Cavigli E. (Firenze)
Ciani L. (Firenze)
Comel A. C. (Peschiera)
Comin C. (Firenze)
Corbetta L. (Firenze)
Di Stefano C. (Firenze)
Facciolongo N. (Reggio Emilia)
Ferrari K. (Firenze)
Ferrari M. (Bologna)
Foccoli P. (Brescia)
Fois A. (Sassari)
Fontanari P. (Firenze)
Galano A. (Firenze)
Galasso T. (Bologna)
Galluccio G. (Roma)
Giuntoli L. (Firenze)
Gonfiotti A. (Firenze)
Grosso A. M. (Firenze)
Lavorini F. (Firenze)
Lazzari Agli L. (Rimini)

Livi V. (Bologna)
Luzzi V. (Firenze)
Maddau C. (Firenze)
Majori M. (Parma)
Marchetti G. P. (Brescia)
Marchioni A. (Modena)
Marcianò G. (Siena)
Mattioli F. (Modena)
Mazzoni F. (Firenze)
Melfi F. (Pisa)
Mencarini J. (Firenze)
Mereu C. (Genova)
Mezzasalma F. (Siena)
Micaglio M. (Firenze)
Michieletto L. (Venezia)
Mondaini F. (Firenze)
Mondoni M. (Milano)
Montinaro F. (Firenze)
Moroni C. (Firenze)
Paggiaro P.L. (Pisa)
Pasini V. (Firenze)
Patelli M. (Bologna)
Paternostro F. (Firenze)
Piperio R. M. (Firenze)
Pompeo G. (Firenze)
Rogasi P.G. (Firenze)
Romagnoli M. (Bologna)
Romagnoli S. (Firenze)
Rosi E. (Firenze)
Rossolini G. M. (Firenze)
Salio M. (Alessandria)
Sammicheli L. (Firenze)

Savoia F. (Treviso)
Scarlata S. (Roma)
Scotti V. (Firenze)
Serio P. (Firenze)
Simonassi C. F. (Genova)
Soldati G. (Lucca)
Solidoro P. (Torino)
Sorbello M. (Catania)
Tofani A. (Firenze)
Tomassetti S. (Firenze)
Trigiani M. (Firenze)
Trisolini R. (Roma)
Tursi F. (Codogno)
Vaggelli L. (Firenze)
Voltolini L. (Firenze)
Zanforlin A. (Bolzano)
Zanobetti M. (Firenze)
Zuccatosta L. (Ancona)

General information

Master's duration: The Master has a duration of 9 months from February to November 2023.

Access Requirements

- Degree in Medicine and Surgery
- Qualifications obtained abroad and professional training qualification assessed as equivalent by the Organizing Committee
- Qualification to practice medicine

Contributions paid by students

The registration fee for the Master is € 3,000 to be paid in two parts:

- the first part upon registration;
- the second part within 4 months of the registration deadline.

Number of places

The maximum number of available places is 30. The master will be activated with a minimum number of 8 entries

ECM exemption

The doctors who will attend the entire course of the Master will be exempted from the ECM requirement for the year of attendance.

Main location of the teaching activity

SOD of Interventional Pulmonology - AOC Careggi, pad 12C, Largo Brambilla 3 - 50134 Florence
Training Center, Viale Pieraccini 11 - 50134 Florence
Social Hup (Student Hotel): Viale Lavagnini - Florence

Services & Accommodation

Locations where the Master will take place

Interventional Pulmonology Unit – AOU Careggi - Pad. 12C - Largo Brambilla 3, 50134 – Florence

Training Center Pad. 50 / B (Ex chapels in front of Monna Tessa) Viale Pieraccini, 11, 50134 Florence

The Student Hotel, Viale Spartaco Lavagnini, 70, 50129 Florence FI
<https://www.thestudenthotel.com/it/firenze-lavagnini/>

How to get there

Auto: From Highway A1: exit Firenze Nord, continue in the direction of Firenze until the end of the highway section (Peretola) from there follow the instructions for the Hospital of Careggi.

From the highway A11: drive all the way until you reach the end of the highway (Peretola) from there follow the instructions for the Hospital of Careggi.

From Highway junction Firenze - Siena: drive all the way until the roundabout for the exit Firenze Certosa and take a left to the highway A1, direction Bologna, then exit at Firenze Nord.

From S.G.C. FI-PI-LI (Strada di Grande Comunicazione Firenze Pisa Livorno): after the exit Scandicci, passed the entrance for A1, exit towards Careggi and drive towards il Viadotto dell'Indiano, drive all of Viadotto dell'Indiano until you reach its end. In the end, at the stoplight, please go straight and follow the instructions for Hospital of Careggi.

Tramvia: From station Firenze Santa Maria Novella: take line 2 in direction towards Careggi. The tramvia starts running at 5am and ends running at 12.30am (Fridays and Saturdays it ends running at 2am). The tram runs every 4 minutes (the frequency may vary depending on the day).

Urban Bus: To the Hospital area of Careggi reach the following buses: n.14. For more info please look at this website: <http://www.ataf.net/>

Suburban Bus: To the Hospital area of Careggi reach various suburban. For more info please look at this website: <http://www.acvbus.it/> e <http://www.copitspa.it/>.

Taxi Telefoni: 0554390 - 0554242. For text: 334.6622550: write a text with the name of the street and number for pick up and you will get a confirmation text.

Train: From the station Firenze Santa Maria Novella: take the bus ATAF number 14. From the station Firenze Rifredi: take the bus ATAF R.

Plane: From the airport “Firenze Peretola” (Amerigo Vespucci): it is about 6 Km away from the hospital Careggi, from there you can take the **Tramvia**.

From the airport Pisa Galileo Galilei: it is about 90 Km away from hospital Careggi. The airport is connected to Florence via trains and buses; moreover, it is possible to rent a car, with this last option it is recommended the route via SGC FI-PI-LI.

Parkings During the days that the Master will take place it is possible to use the parking “CONSORZIO PARCHEGGIO CAREGGI” in Viale Pieraccini that has a maximum cost of 3euros per day from 6 am to 10 pm.

Hotels

- Alderotti Home

Recommended. Via Taddeo Alderotti, 67 – 50139 Firenze. Web: www.alderottihome.it. Email: alderottihome@gmail.com. Tel. +39 055410559. Cell. +39 3703158247.

- The Social Hub (ex Student Hotel)

RECOMMENDED, some lessons will be held here.

Viale Spartaco Lavagnini, 70 50129 Firenze FI Web: <https://www.thesocialhub.co/it/firenze-lavagnini/>, +39 055 062 1855

- Hotel Casa Aurora

(also recommended). Firenze Tel: +39 055416262 Web: www.casaurora.it Email: centro@casaurora.it rooms with private bathroom, ac, tv, and wifi. Parking.

- Villa Le Fontanelle: 10% of discount

<https://villalefontanelle.com/>

- Bed & Breakfast Rifredi

Via di Rifredi 10 – 50134 Firenze Tel. 055 418043 - Cell. 3400045610 Web: www.bb-rifredi.it Email: info@bb-rifredi.it Residence Leopoldo Via Fabbroni, 68 – 50134 Firenze Tel. e Fax: 055 463 0819 Web: www.residenceleopoldo.it Email: info@residenceleopoldo.it

- Residenza Marotta B&B

Via T. Alderotti, 89 – 50139 Firenze (Zona Careggi) Tel: 055/0944200 Web: www.residenzamarotta.it E-mail: info@residenzamarotta.it

- Hotel Raffaello **

Viale Morgagni, 19 - 50134 Firenze (Zona Careggi) Tel: 055 4224141 Web: www.raffaellohotel.it E-mail: info@raffaellohotel.it rooms with private bathroom, ac, tv, and wifi. Restaurant, bar, room service, free bus for the center. Free parking.

- Hotel Loggia dei serviti *

Piazza SS. Annunziata, 3 - 50100 Firenze (located in the center) Tel: 055 289592 Fax 055 289595 Web: www.loggiatodeiservitihotel.it E-mail: info@loggiatodeiservitihotel.it private bathroom, wifi, tv, ac

- Hotel Embassy **

Via Iacopo da Diacceto, 8 - 50123 Firenze (Zona Stazione SMN) Tel: 055 219316 Fax: 055 2382266 Web: www.embassyhotel.it E-mail: booking@embassyhotel.it rooms with private bathroom, ac, tv, and wifi, Parking.

- Hotel Garibaldi Blu

Piazza Santa Maria Novella 21 Tel: +39 055 27184555 - Fax: +39 055 27184177 Web: www.hotelgaribaldiblu.com E-mail: info@hotelgaribaldiblu.com

- Hotel Rosso 23

Piazza Santa Maria Novella 23, 50123 Firenze, Italia Tel: +39 055 277 300 Fax: +39 055 277 30199 Web: www.hotelrosso23.com E-mail: info@hotelrosso23.it

- Hotel Universo

Piazza Santa Maria Novella 20 50123 Firenze, Italia Tel: +39 055 055 29 38 90 Fax: +39 055 29 38 91 99 Web: www.hoteluniversoflorence.com E-mail: info@hoteluniversoflorence.com

Restaurants

Cubar (recommended for lunch) Viale Pieraccini, 6 c/o Complesso Polivalente CUBO - 50134 Firenze (Inside Careggi) Tel: 055/4288323 Bar/Ristorante opened until 5pm

Self-Service Restaurant "La Briciola" Viale Pieraccini, 12 - 50139 Firenze (Next to Careggi) Tel: 055/7964232 Bar/Restaurant opened until 5pm

Chiosco "Lampredottore" (in front of Careggi) L.go Brambilla - 50134 Firenze Opened for lunch

Bar "F.Ili Romani S.R.L" (in front of a Careggi) L.go Brambilla - 50134 Firenze Tel: 055/4296045

Vineria e Gastronomia "La Prosciutteria" (Zona Santa Croce – Centro storico) Via dei Neri, 54 - 50122 Firenze Tel: 055/2654472 Web: www.laprosciutteria.com

Buca S. Giovanni : Piazza S. Giovanni, 8 Firenze 055287612

Restaurant "La Bottega di Parigi" (On the hills above Careggi – Reachable with a car) Via Di Terzollina 3/r - 50139 Firenze Tel: 055/0944388 Web: www.labottegadiparigi.com

Trattoria "I 13 Gobbi"" (Center) Via del Porcellana, 9R - Firenze Tel: 055/284015 Web: www.casatrattoria.com Trattoria Fiorenza (Zona Rifredi) Via Reginaldo Giuliani, 51 - 50141 Firenze Tel: 055/416903

Osteria "Di Giovanni" (Center) Via Del Moro n. 22 – 50100 Firenze Tel: 055/284897 Web:

www.osteriadigiovanni.com

Trattoria "Lo Stracotto" (Area San Lorenzo – Center) in Piazza di Madonna degli Aldobrandini - 50123 Firenze Tel: 055/2302062 Web: www.trattorialostracotto.it

Trattoria "All'antico ristoro di cambi" (Area San Frediano – Oltrarno) Via S. Onofrio, 1R - 50123 Firenze Tel: 055/217134 Web: www.anticoristorodicambi.it

Card Florence Convention Bureau

To the members of the Master in Pneumologia Interventistica will be given the Florence Convention Bureau Card, which offers discounts and special offers for museums, cultural sites, night clubs/bars, shops, restaurants, wellness center, sport centers, bike rents, taxis, transport services.

To download the congress card, please connect to this site: <http://www.conventionbureau.it/>.

It is also possible to use the card through your smartphone downloading the App FCB available both for Android and IOS.

Administrative support: Consorzio Futuro in Ricerca Via Saragat 1 - Corpo B - 1° Piano - 44122 – Ferrara Tel +39 0532 762404 - Fax +39 0532 767347 - E-mail: cfr@unife.it <http://www.consorzioferraraaracerche.it>

