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research

INSTITUTE OF MOUNTAIN
EMERGENCY MEDICINE



Dipartimento
Neuroscienze
Università di Torino

IFREMMONT – Resamont

photo by Francesca Agosta Tipress Ag. Fotografica (Tris Rotondo 2012 – CAS Ticino)

2nd International Master Course in Mountain Medicine

2013 | Varese | Bolzano | Torino | Bressanone (Brixen) | Chamonix

UNDER THE PATRONAGE OF

Ospedale
di Circolo



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Macchi



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ALPINE
RESCUE
CENTER



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INTERNATIONAL SOCIETY
FOR MOUNTAIN MEDICINE



UIAA
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International Commission
for Mountain Emergency Medicine
ICM MEDCOM



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MEDICINA DI MONTAGNA

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The second edition of the International Master Course in Mountain Medicine will start on May 2013 to end on June 2014.

The first edition, just ended, has graduated 13 Italian Physicians, that have obtain a valid worldwide and a Master's Degree University unique.

We live in an era of great change, of major crisis, but also cultural and ethical when, tired of the daily depressed, you aspire to a different world, cleaner, capable of giving emotions, to involve us and to let us to find the most sense deep on everyday life.

There is a new discovery of mountain, of the pure alpine environment, sometimes close to home, and often overlooked as they were moved to distant destinations, famous and sponsored. The revival of the attendance of the mountain, already evident in recent years and become even more important in recent months, has been joined in search of the wilderness, the top as self-affirmation, exploration in search of thin air, and also the extreme sports performance as only the alpine environment can offer. However, this approach to the mountain is then often scarcely conscious, shallow and heedless of their physical condition and without any form of culture and preparation on self protection and safety.

It was born the idea to create a new type of highly specialized doctor, who can be a guide and mentor during the great expeditions, or even simple trips, but who can also respond to simple clinical questions posed by those in the mountains bears for fun or, and this is a growing phenomenon, for professional reasons.

Lack of awareness of their clinical conditions, which relate to the height and difficulty, increasingly becomes the cause of accidents or rescue alpine calls, not always appropriate and indicated. The economic crisis and political and social situation that is hitting our country, may think that this is a marginal Master with costs too heavy, dedicated to people trying to escape from reality, in the thought that the mountain is a very different matter thickness compared to the problems of everyday life that afflict our country, or in front of problems of ethics and values that we share with other countries close to us.

I think that the originality, the desire to take a challenge, the desire of polish, the wish to prove that in our country mistreated, could be born as an initiative of high cultural value and medicine, the desire to get excited, associated with the high competence of speakers, represents an important message to get us back to the roots of our being Italian citizens, but above all citizens of the world.

I also believe that culture and in particular the culture of the mountain environment represents a unique opportunity and a source of job if you will be able to enhance the human and environmental resources of our country.

The strong presence of foreign and Swiss in particular, confirmed by the patronage of various medical societies and rescue as well as by the Swiss Alpine Club and especially by Swiss Hospital Organisation (Canton Ticino), a special thanks to Dr. F. Barazzoni, is an action of faith towards to Italy, and I hope that this Master could be attractive against the Swiss and European medical colleagues and why not the Americans, who, even if a great respect for such courses made around the world, are facing a different and unique way in a field intended to be less of niche and more and more within range of the general public.

Dr. Luigi Festi

*Deputy Chief Thoracic and General Surgery, Ospedale di Circolo Varese
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CALENDAR LESSONS:

01-05 July 2013

Varese - Istituto Mosso, Col D'Olen,
M.te Rosa

23-27 September 2013

Varese, University Hospital

21-22 October 2013

Bolzano EUR.AC-Bressanone, Brixen IMS*

* IMS: International Mountain Summit Brixen.

On 22th October will take some classes and a

conference with the teme: *Telemedicine and Mountain*

25-29 November 2013

EUR.AC, Institute of Mountain
Emergency Medicine, Bolzano - Varese

24-28 February 2014

Varese, University Hospital
Chamonix, ENSA

24-29 March 2014

Monterosa Ski, Alagna Valsesia
Finale Ligure

28 April - 3 May 2014

Helicopter rescue by Air Zermatt, REGA
Air du Glaciers (Medical training)

22 May 2014

History and culture of mountaineering

27-29 June 2014

Ascent to Master's Peak (to be defined)

October 2014

Varese, Bolzano - Final examination

Program changes/substitutions may be made
without notice

MEDICAL TRAINING

60 hours

Helicopter Rescue Team

c/o Air Zermatt, REGA
and Air Du Glacier

40 hours

**Institute of Mountain Emergency
Medicine**

c/o EUR.AC

30 hours

Clinic Mountain Medicine

c/o Ospedale U. Parini
Aosta/Chamonix

20 hours

Cardiology

c/o Istituto Auxologico Italiano,
Università Bicocca Milano

30 hours

Radiology

c/o Ospedale di Circolo Varese

50 hours

Operating Room c/o Anesthesiology

c/o Ospedale di Circolo Varese

50 hours

Intensive Care Unit

c/o Ospedale di Circolo Varese

**Total number of hours in medical
practice: 280**

Week 1/5 July 2013 – Varese, Istituto Mosso - Col D'Olen, M.te Rosa

July 1, 2013 – Varese

08.00 – 09.00	Introduction	Luigi Festi
09.00 – 10.30	Altitude sickness: biochemical adaptations physiology	Passi Alberto
10.30 – 12.00	Pulmonary failure and mountaineering - 1	Paddeu Antonio
12.00 – 13.00/		
14.00 – 15.00	Pulmonary failure and mountaineering - 2	Spanevello Antonio
15.00 – 18.00	Technical equipment	Bertoldo Massimo

July 2, 2013 – Istituto Mosso

10.00 – 12.00	Altitude sickness: physiology adaptation	Negrini Daniela
12.00 – 13.30	Hygienical rules on impervious environment	Oriana Pecchio
14.00 – 17.00	Analgesia on the field	Bacuzzi Alessandro

July 3, 2013 – Istituto Mosso

09.30 – 11.00	Sunstroke, Heatstroke	Agazzi Giancelso
11.00 – 13.00	Historical background on mountain medicine	Montarolo Pier Giorgio
14.00 – 17.00	Mountain rescue techniques	Introzzi Lorenzo, Savary-Borioli Beppe

July 4, 2013 – Istituto Mosso

10.00-11.00	Ambulatory of mountain medicine	Giardini Guido
11.00 – 12.00	Cardiopathic patient at high altitude	Sicuro Marco - Aosta
12.00 – 13.00	Mountain rescue techniques	Savary-Borioli Beppe
13.00 →	Capanna Gnifetti	

July 5, 2013 – Istituto Mosso

08.00 – 14.00	Capanna Gnifetti Practice on Glacier and basic on mountain rescue techniques	Mondinelli Silvio Gnaro, Savary-Borioli Beppe, Sortorelli Erminio
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Week 23/27 September 2013 – Varese, University Hospital

September 23, 2013

09.00 – 11.00	Lung adaptation at high altitude	Cogo Annalisa
11.00 – 13.00	Basic and interventional radiology - 1	Carrafiello Gianpaolo
14.00 – 15.00	Basic and interventional radiology - 2	Carrafiello Gianpaolo
15.00 – 16.30	The woman and the mountain	Fioretti Annalisa
16.30 – 18.00	tbd	

September 24, 2013

09.00 – 11.00	Thoracic Trauma - 1	Dominioni Lorenzo
11.00 – 13.00	Presentation CNSAS: Alpine rescue CAI	Milani Mario
14.00 – 17.00	Maxillofacial trauma in mountaineering and tracheostomy	Castelnuovo Paolo
17.00 – 18.00	Treatment on site of hypothermic patients	Brunello Anna

September 25, 2013

09.00 – 12.00	Nutrition in mountaineering	Enrico Arcelli, Eugenia Dozio
12.00 – 13.00	Vascular traumas: diagnosis and treatment	Matteo Tozzi
14.00 – 15.00	Vascular traumas: diagnosis and treatment	Matteo Tozzi
15.00 – 18.00	Diabetic patient and the mountain	Orrasch Massimo

September 26, 2013

09.00 – 13.00	Education in Mountain Medicine Practical experience of managing diabetes in the mountains Drug use in the mountains (UIAA statement)	Hillebrandt David
14.00 – 16.00	Abdominal traumatology - 1	Carcano Giulio
16.00 – 18.00	Abdominal traumatology - 2	Luigi Boni

September 27, 2013 – Villa Toeplitz

09.00 – 13.00	Altitude sickness: diagnosis, therapy and new advances	Peter Hackett, Marco Maggiorini
14.00 – 17.00		

21/22 October 2013 – Bolzano EUR.AC-Bressanone, Brixen IMS

October 21, 2013 – Bolzano Eur.ac

09.00 – 11.00	Shock: diagnosis and treatment	Minoja Giulio
11.00 – 12.00	The Intensive Care Unit and alpine trauma	Minoja Giulio
12.00 – 13.00	Cardiopathic patient and mountaineering - 1	Parati Gianfranco
14.00 – 15.00	Cardiopathic patient and mountaineering - 2	Parati Gianfranco
15.00 – 18.00	Odonto-stomatology Urgencies	Aversa Alessandro

October 22, 2013 – Bressanone, IMS

09.00 – 11.15	Altitude training and basic physiology of Cardiovascular adaptation to high altitude	Levine Benjamin
11.30 – 13.00	Organization of helicopter rescue in Nepal	Brodmann Maeder Monika

Afternoon **Conference on Telemedicine and Mountain**

Week 25/29 November 2013 – EUR.AC, Institute of Mountain Emergency Medicine, Bolzano – Varese

November 25, 2013 – Bolzano Eur.ac

09.00 – 10.00	How much fitness is necessary to climb high altitude mountains?	Burtscher Martin
10.00 – 11.00	The risk of sudden cardiac death during mountain sports activities	Burtscher Martin
11.00 – 13.00	Cardiopathic patient and Mountaineering - 3	Donegani Enrico
14.00 – 16.00	Hypothermia: on-site treatment	Strapazzon Giacomo
16.00 – 18.00	Hypothermia: hospital treatment	Donegani Enrico, Festi Luigi

November 26, 2013

Training helicopters rescue Bad Toelz - Germany

November 27, 2013 – Bolzano Eur.ac

09.00 – 13.00	Hypothermia: diagnosis and on-site treatment	Strapazzon Giacomo
14.00 – 16.00	Children and the mountain	Messner Hubert
16.00 – 17.00	Thoracic Trauma - 2	Festi Luigi

November 28, 2013 – Varese

09.00 – 12.00	Avalanche: research and medical management Notions on personal technical equipment and apparel	Elsensohn Fidel
12.00 – 13.00	Doping in mountaineering	Donegani Enrico
14.00 – 17.00	Altitude sickness: medical background	Bartsch Peter
17.00 – 19.00	Orthopedic trauma in practice mountaineering	Surace Michele

November 29, 2013 – Varese

09.00 – 11.30	Avalanche: know and avert it Meteorology	Kappembeger Giovanni
11.30 – 13.00	The oculist and the mountain	Gugliemina Paolo
14.00 – 17.00	Electrocution and lightning Decompression sickness Analgesia on the field	Rinaldi Adriano
17.00 – 19.00	Neurosurgical traumas	Balbi Sergio

24/25 February 2014 – Varese, University Hospital

February 24, 2014

09.00 – 10.30	International Mountaineering Organisation	Valoti Paolo
10.30 – 13.00	The ambulatory of mountain medicine: the experience of Trentino Alto Adige	Prestini Antonio
14.00 – 17.00	Sepsis: diagnosis and treatment Travel Medicine	Grossi Paolo
17.00 – 18.00	tbd	

February 25, 2014

09.00 – 11.00	Medico-legal aspects	Mario Tavani
11.00 – 13.00	Juridical aspects	Vincenzo Torti
14.00	Departure for Chamonix	

26/28 February 2014 – Chamonix, ENSA

Frostbite	Cauchy Emmanuel
Hypothermia	Brodmann Maeder Monika, Walpoth Beat
Neurology and Ambulatory of mountain medicine	Giardini Guido
Altitude and age	De La Pierre Franz
Acute Mountain Sickness	Richalet Jean Paul
Telemedecine in mountain	Zellner Pascal
The Doctor on expeditions	Hefti Urs
Treatment of acute pain in alpine environment	Visetti Enrico
Visit to the PGHM and the rescue team and Dropping Zone	
Workshop in Vallée Blanche	

24-25-26 March 2014 – Monterosa Ski, Alagna Valsesia

High mountains practice: basic on alpinism, alpine skiing, avalanche - research and practical management

27-28-29 March 2014 – Finale Ligure

Technical basis of climbing and technical mountain rescue

28-29 April 2014 – Helicopters rescue by Air Zermatt – Oliver Reisten**30 April / 1 May 2014 – Helicopters rescue by REGA – Roland Albrecht****2-3 May 2014 – Helicopters rescue by Air du Glaciers Lauter Brunnen – Bruno Durrer****22 May 2014**

History and culture of mountaineering

Leonardo Bizzaro, Enrico Camanni, Pietro Crivellaro, Roberto Mantovani, Guido Novaria, Ely Riva, Angelo Valsecchi

27-29 June 2014

Ascent to Master's Peak (to be defined)

October 2014 – Varese, Bolzano

Final examination

FACULTY

AGAZZI GIANCELSO
Bergamo

ALBRECHT ROLAND
Riga, Switzerland

ARCELLI ENRICO
Varese

AVERSA ALESSANDRO
Firenze

BALBI SERGIO
Varese

BACUZZI ALESSANDRO
Varese

BARMASSE HERVÉ
Aosta

BÄRTSCH PETER
Heidelberg, Germany

BERTOLDO MASSIMO
Varese

BIZZARO LEONARDO
Torino

BONI LUIGI
Varese

BRANDSTAETTER MANFRED
Bolzano

BRODMANN MAEDER MONIKA
Bern, Switzerland

BRUGGER HERMANN
Bolzano

BRUNELLO ANNA
Chur, Switzerland

BURTSCHER MARTIN
Innsbruck, Austria

CAMANNI ENRICO
Torino

CARCANO GIULIO
Varese

CARRAFIELLO GIANPAOLO
Varese

CASELLA MARIO
Lugano, Switzerland

CASTELLI PATRIZIO
Varese

CASTELNUOVO PAOLO
Varese

CAUCHY EMANUEL
Chamonix, France

COGO ANNALISA
Ferrara

CRIVELLARO PIETRO
Torino

CUFFARI SALVATORE
Varese

DE LA PIERRE FRANZ
Aosta

DELLA BORDELLA MATTEO
Varese

DIONIGI RENZO
Varese

DOMINIONI LORENZO
Varese

DONEGANI ENRICO
Torino

DOW JENNIFER
Anchorage, Alaska

DOZIO EUGENIA
Varese

DÜRRE BRUNO
Lauterbrunner, Switzerland

EISENSOHN FIDEL
Roethis, Austria

FLICK WALDEMAREO
Genova

FIORETTI ANNALISA
Milano

GIARDINI GUIDO
Aosta

GROSSI PAOLO
Varese

GUGLIERMINA PAOLO
Torino

HACKETT PETER
Colorado, USA

HEFTI URS
Langenthal, Switzerland

HILLEBRANDT DAVID
Devon, UK

INTROZZI LORENZO
Varese

KAPPEMBEGER GIOVANNI
Locarno, Switzerland

LEVINE BENJAMIN
Dallas, USA

MAGGIORINI MARCO
Zürich, Switzerland

MANTOVANI ROBERTO
Torino

MAZZI GIUSEPPE
Varese

MESSNER HUBERT
Bolzano

MESSNER REINHOLD
Bolzano

MILANI MARIO
Lecco

MINOJA GIULIO
Varese

MONDINELLI SILVIO GNARO
Alagna, Valsesia

MONTAROLO PIER GIORGIO
Torino

MORO SIMONE
Bergamo

NEGRINI DANIELA
Varese

NOVARIA GUIDO
Torino

OELZ OSWALD
Wernetshausen, Switzerland

ORRASCH MASSIMO
Verona

PADDEU ANTONIO
Como

PARATI GIANFRANCO
Milano

PASSI ALBERTO
Varese

PECCHIO ORIANA
Torino

PRESTINI ANTONIO
Trento

REISTEN OLIVER
Zermatt, Switzerland

RICHALET JEAN PAUL
Paris, France

RINALDI ADRIANO
Trieste

RIVA ELY
Lugano, Switzerland

SAVARY BORIOLI BEPPE
Russo, Switzerland

SCHNEIDT TIZIANO
Lugano, Switzerland

SEILER OLIVER
Zürich, Switzerland

SERTORELLI ERMINIO
Bormio

SICURO MARCO
Aosta

SPANEVELLO ANTONIO
Varese

SURACE MICHELE
Varese

STECK UELI
Ringgenberg, Switzerland

STRAPAZZON GIACOMO
Bolzano

TAVANI MARIO
Varese

TORTI VINCENZO
Monza

TOZZI MATTEO
Varese

VALOTI PAOLO
Bergamo

VALSECCHI ANGELO
Lugano, Switzerland

VALSESIA TERESIO
Macugnaga

VISETTI ENRICO
Aosta

WALPOTH BEAT
Ginevra, Switzerland

ZAFREN KEN
Stanford, California

ZELLNER PASCAL
Chamonix, Switzerland

ZOLI ALBERTO
Milano

SPONSOR



GENERAL INFORMATION

The 2nd International University Master Course is based in Varese at the University of Insubria and is aimed at Italian and foreign Health Workers. There is a maximum number of 20 places available and the course **is approved by the following International Organisations: UIUA, ICAR and ISMM.**

The course consists of a total number of 1.500 hours as academic regulations, 600 among lectures, internships and on site practical session.

COURSE LOCATION

Lectures will be held at the University of Insubria in Varese, at the EUR.AC headquarters of the Institute of Mountain Medicine and Emergency in Bolzano and at the Istituto Mosso at Col D'Olen managed by Department of Neurosciences of Torino University, which is taking part in this project. On site practical sessions will be held by the mountaineering schools of the CAI with the assistance of **some of the best mountaineers of the moment.**

OFFICIAL LANGUAGE

The official course language is Italian and English; simultaneous translation will be provided where necessary.

COURSE CREDITS

Following completion of the course, a formal academic ceremony will be held where each student will receive a graduation certificate recognised worldwide. To obtain the graduation certificate each candidate will prove to be present at 85% of lessons and medical training.

A final course examination, consists in a multiple answer test, is scheduled and the thesis presentation previously arranged.

TUITION FEE

The enrolment fee for the course is Euro 3.700,00.

The fee include:

training at the most important elicopter rescue team: Air Zermatt, REGA and Air-Glaciers (6 days)

Registration within June 17, 2013.

For any further information and for the course program please visit the University's website:

www.uninsubria.it → **POSTGRADUATE** → **MASTERS** where the application form will be available or write to Dr. Luigi Festi, Co-director and Coordinator: luigi.festi@ospedale.varese.it

ORGANIZING SECRETARIAT



eventi & comunicazione

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