

# GENERAL INFORMATIONS

AVAILABLE PLACES **12**

## CONDITIONS

Presentation of applications .....18/12/2016  
Selection: 13:00 .....21/12/2016  
Ranking publication .....22/12/2016  
Registration fee payment.....12/01/2017  
Start of the lessons .....16/01/2017

## TAXES and CONTRIBUTION for REGISTRATION

The total amount of registration is equal to 5.200 euros and includes: educational activities, Burundi's air ticket and accomodation, insurance,

Master announcement and teaching plan available on: <http://www.univr.it> post lauream area

### Administrative informations:

Post Lauream Area, Master Office, Post-graduate Courses, Lente didattica, Borgo Roma Hospital, Verona:

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### Educational informations:

#### **Marina Paini MD**

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#### **Chiara Dal Borgo MD**

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#### **Nicola Spadoni MD**

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# EDUCATIONAL INFORMATIONS

## 14 lessons modules

from Monday to Saturday into the following weeks of the year 2017:

Jan 16-21; Feb 20-25; Apr 03-08; May 01-06

## Classroom lessons:

Lente didattica, University of Verona Medical School

Borgo Roma Hospital, Piazzale L. Scuro 10, Verona

## Simulated teaching (ALS - PALS):

University of Verona - Medical School Learning Centre

**Practical traineeship:** 1 month in Burundi

## LOCATION OF PRACTICAL TRAINEESHIP IN BURUNDI

- Mutoyi Hospital (VISPE - Milano)
- Kiremba Hospital (ASCOM - Legnago)
- The partnership with MSF IT allows participants who want it and who meet the pre requisites to participate in a humanitarian mission with MSF <http://www.medicisenzafrontiere.it/lavora-con-noi/operatori-umanitari/figure-professionali->

University of Verona Medical School  
Medicins Sans Frontieres, Italy

Academic Year 2016 - 2017

## 2nd LEVEL MASTER

# TROPICAL SURGERY AND HUMANITARIAN EMERGENCIES

# EMERGENCIES?



# PRESENTATION

The master is addressed to physicians with one of the following specializations: general surgery, gynecology, urology, pediatric surgery, orthopedics, plastic surgery. The aim of the master is to give the physicians who want to operate in developing countries, in deprived environments or in a context of humanitarian emergency, the know-how (technical, practical and organizational) to face the main surgical emergencies.

# DIDACTIC PROGRAM - SINTESYS

## The Concept of Health and Disease on The Antropologic

**Point of View.** International cooperation; actors and politics  
The organization of sanitary systems in countries with limited resources.

## Clinical Pictures, Differential Diagnosis And Treatment Of The Main Tropical Diseases Of Surgical Interest:

Overview of malaria, tbc, HIV shock and coma in a tropical context  
**Pharmacology:** General principles, drug availability and counterfeiting. Antibiotics in surgical prophylaxis and treatment of infections. Analgesics and local anesthetics. **Anesthesia.** Field anesthesia

**Imaging** General concepts of basic imaging. Evaluation of plain films: chest, abdomen. Fast track US

**Gynecology And Obstetrics In Rural Hospitals** Anatomy and pelvic physiology. Physiopathology of delivery and key points tracks of cesarian section. Uterine rupture. Pre and post partum hemorrhage. Surgical key points of hysterectomy.

**Plastic Surgery.** Burns: physiopathology of burns. Classification. Hydroelectrolitic recovery of burned patient. Medical and surgical treatment. Face and hands burns. Treatment of scar outcomes. Burns in pediatric age: specific problems. Dermal epidermal grafts. Cutaneous flaps: indications and main (basic) surgical procedures. Diagnosis And Treatment Of Face And Neck Lesions Typical Of Tropical Countries.

**Pediatric Surgery:** neonatal occlusions, Anorectal malformations: emergency repair. Emergencies in pediatric surgery.

**Neurosurgery:** Basic classification of unconscious patient following cranic trauma. Patient monitoring. Craniotomy: indication and surgical technique. Suture of lacerated and contused wounds of scalp. Basic classification of patient with spinal trauma.

**Orthopaedics:** Plaster cast, systems of traction, external or internal fixation. X rays evaluation. Upper and lower fractures: diagnosis and treatment. Dislocation: diagnosis and treatment. Pseudoarthrosis. The gangrene. Amputation of thigh and leg, arm and forearm. Osteomyelitis and bone attachment.

**Urology:** types of catheters and their selective employment in patients with acute urinary retention. Traumatic lesions of genito urinary tract (kidney, bladder, urethra). Classification and principles of therapy of vescico- vaginal fistulas. Simple prostatectomy.

**War Surgery:** Characteristics of war surgery and principles of ballistics. Mechanisms of firearm and cold steel lesions. Classification and management of specific wounds. First aid in a war hospital, emergency and triage. Infections and antibiotic treatment following weapon gunshot injuries. Burns following armed conflict (mine, bullet). Emergency tracheostomy and respiratory management. Hemorrhage, coagulation, transfusion. Mass casualty accident triage patient management. Stress management (burnout). Surgical activity in a war scenario

**Logistic And Organizational Aspects:** Set up of an operating room in an emergency situation. Cold chain, electricity, sterility, pneumatic structures. Sure surgery (WHO guidelines)

**General Surgery.** Diagnostic and surgical technique for the following situations: bowel obstruction, peritonitis, abdominal hemorrhage, penetrating trauma of abdomen, thoracic trauma, vascular trauma, spleen lesions, inguinal hernia, chest tube placement.

**Advanced Life Support Course (ALS - certified)**

**Paediatric Advanced Life Support Course (PALS - certified)**

**Full educational program on:**  
<http://www.univr.it>

# TEACHERS

## SCIENTIFIC COORDINATION

**Prof. Elda Baggio** - University of Verona

**Medical Advisor** - MSF Italy

**Prof. Andrea Tasca** - University for Peace

Bisoffi Z.	National and International Framework	S.Cuore Hospital Negrar
Concia E.	Tropical Medicine	Verona University
Leone R.	Pharmacology	Verona University
El Dalati G.	Imaging	AOUI Verona
Trelles M.	Field Anaesthesia	MSF Bruxelles
Morganti P.	Gynecology And Obstetrics	AO Treviglio
Lorenzini M.	Plastic Surgery	ULSS 12 Veneziana
Camoglio F.	Paediatric Surgery:	Verona University
Lohr M.	Neurosurgery	MSF Wurzburg
Momoli A.	Orthopaedics	ULSS 6 Vicenza
Artibani W.	Urology	Verona University
Dominguez L.	War Surgery	MSF Bruxelles
Trelles M. Dominguez L.	Logistic and Organization	MSF Bruxelles
Baggio E.	General Surgery	Verona University
Perfetti P.	Advanced Life Support	AOUI Verona
Biban P.	Paediatric Advanced Life Support	AOUI Verona
Malagò G.	Hands on: Fast track diagnostic approach	AOUI Verona