

Curriculum vitae  
Personal Information

Name / Surname Raed Arafat  
phone +40.21.312.25.47  
+40.21.313.71.55 Fax / +40.21.264.86.46  
E-mail arafatr@smurd.ro  
Date of birth Palestinian nationality, Romanian Citizenship  
May 24, 1964

**I. Professional experience:**

1. January 29, 2014 - present

1.1 Position held:

Secretary of State, Head of the Department for Emergency Situations - Ministry of Internal Affairs

1.2 Main activities and responsibilities:

- Heads the Department for Emergency Situations
- Coordinates the activity of the General Inspectorate for Emergency Situations (Fire and Civil Protection)
- Coordinates the activity of the Inspectorate of General Aviation with regard to emergency medical interventions and rescue operations
- Coordinates operational activity of the ambulance services and hospital based emergency departments
- Coordinates the activity of mountain rescue services
- Coordinates the activity of prefects (governors) with regard to emergency situations

2. December 2012 - January 2014

2.1 Position held:

Secretary of State - Ministry of Health

2.2 Main activities and responsibilities

- Coordinates the emergency medical care system (prehospital and emergency departments)

- Coordinates the Ministry's of Health strategic programs, including residency training

### 3. October 2012 - December 2012:

#### 3.1 Position held:

Acting Minister / Minister - Ministry of Health

#### 3.2 Main activities and responsibilities:

- Coordinates the national health system

### 4. August 2007 - January 2012 / February 2012 - October 2012

#### 4.1 Position held:

Undersecretary of State - Ministry of Health

#### 4.2 Main activities and responsibilities:

- coordinates the drafting of specific legislation on emergency medicine and emergency medical care;
- organizes and coordinates the emergency medical care;
- monitors, in collaboration with the Inspectorate for Emergency Situations, the fire department based prehospital emergency car system (SMURD);
- Organizes, coordinates, monitors and evaluates the activity of the hospital emergency departments;
- responsible for the organization and functioning of the operational center of the Ministry of Health;
- Participates in the development of tender documentation relating to the acquisition of equipment for emergency services and monitors the implementation and completion of procurement procedures;
- Represents the Ministry of Health in relations with the World Health Organization and other international organizations, based on the mandate established by the Minister of health;
- Represents the Ministry of Health in relationship with ministries, public and private institutions, as well as other structures and NGOs in the field of emergency medical care;
- Annually evaluates the work of the head of the operational center;
- Methodological guidance of the training process of medical staff in emergency healthcare and disaster response;

- In 2008 was responsible for organizing the emergency medical response and preventive medical monitoring of the NATO summit in Romania.

## 5. 2011 - present

### 5.1 position held:

High level expert in the Joint Health Food and Agriculture (JHFAG) workgroup - NATO

### 5.2 Main activities and responsibilities:

Participation in NATO assessment mission in the emergency medical field and disaster response

## 6. 2012 - Present

### 6.1 position held

Co-chairman of the Health, Food and Agriculture Group (JHFAG) NATO

### 6.2 Main activities and responsibilities

Coordination of the working group on healthcare in collaboration with the co-chair for the agriculture.

## 7. 2007-2008

### 7.1 position held:

Consultant - WHO Regional Office for Europe

### 7.2 Main activities and responsibilities:

Evaluation of the emergency medical system in Tajikistan

## 8. 2004-2007

### 8.1 position held

Consultant REMSSy program financed by Swiss funds - Ministry of Health

## 8.2 Main activities and responsibilities

Development of the emergency medical system in Romania by implementing training projects and equipping of the emergency medical care system.

## 9. 2001- 2007

### 9.1 position held

External Coordinator of the Integrated Emergency Dispatch Center 112, Mures County

### 9.2 Main activities and responsibilities

Coordination and development activity of the first integrated dispatch 112 in Romania

## 10. 1999-2001

### 10.1 position held

Technical expert - Ministry of Health

### 10.2 Main activities and responsibilities

World Bank program - implementation and integration of emergency medical services-based on the model created in Targu Mures

## 11. 1998 - present

### 11.1 position held

Member / Co-Chair / Chair of the Specialty Committee in Emergency Medicine and Disaster Ministry of Health

### Main activities and responsibilities 11.2

Issuing views and recommendations on the management of emergency medical care system to the Minister of Health.

Monitoring of projects in the field of emergency medicine and analysis of activity of the emergency medical care system.

## 12. 1999-2001

### 12.1 position held

President - Quality Assurance Office in Emergency Medicine, Public Health Department of Mures County

### Main activities and responsibilities 12.2

Ensuring quality monitoring of emergency medical services in Mures County

## 13.1994- 2007

### 13.1 position held

Chief Physician - Emergency Department - SMURD of the Emergency County Hospital Targu Mures and the Mures County Fire Department

(Activity between 1994 -1998 was voluntary without remuneration)

### 13.2 Main activities and responsibilities

Development and coordination of pre-hospital emergency medical care service "SMURD" and the Emergency Department of Targu Mures.

Organizing and participating in training activities of professional and volunteer staff in the emergency departments and SMURD.

## 14.1990-1994

### 14.1 position held

Resident in Anesthesiology and Intensive Care, Anesthesiology and Intensive Care Clinic - Emergency County Hospital Targu Mures

(The first six months of residency carried in the anaesthesia & intensive care ward at the Clinic for Surgery nr. 1. Cluj County Hospital, then continued the residency at Targu Mures)

coordinator / chief physician SMURD

(during residency, worked on the set up and development of both prehospital emergency medical services and hospital based emergency department as unpaid volunteer)

## 14.2 Main activities and responsibilities

Founder and coordinator of the Mobile Emergency Service for Resuscitation (SMUR) based on voluntary activity within Mures County Fire Department and Mures County Emergency Hospital. This service has become remunerated by 1997 partly maintaining a number of volunteer activities. The present name of the prehospital fire dept. based service is (SMURD). Later model initially developed in Targu Mures was implemented nationally and legislated by the 2006 Health Law nr. 95.

### II. Education and Training:

Participated in several courses and seminars, training in emergency medical care, disaster medicine ...etc. examples of the courses are below:

#### II. 1. Main undergraduate and post-graduate studies:

1. Diploma - medical doctor in general medicine 1989

*Institute of Medicine and Pharmacy, Cluj Napoca, Romania*

2. Master Degree - European Master in Disaster Medicine (EMDM), 2003

*Free University, Brussels, Belgium*

*Piemonte University, Novara, Italy*

#### II. 2. Post-graduate studies and continuous education during 1990 -2016

1. Course on "Emergency Manager: An Orientation to the Position"

*US Department of Homeland Security, Federal Emergency Management Agency (FEMA) Emergency Management Institute*

2. Course on "Radiological Emergency Management"

*US Department of Homeland Security, Federal Emergency Management Agency (FEMA) Emergency Management Institute*

3. Course on "Introduction to Incident Command System"

*US Department of Homeland Security, Federal Emergency Management Agency (FEMA) Emergency Management Institute*

4. Course on "Introduction to Incident Command System (ICS 100) for Healthcare / Hospitals"

*US Department of Homeland Security, Federal Emergency Management Agency, Emergency Management Institute.*

5. Course on " Flood Mitigation Basics for Mitigation Staff"

*US Department of Homeland Security, Federal Emergency Management Agency (FEMA) Emergency Management Institute.*

6. Course on international civil nuclear emergencies

*US Army National Guard, Maryland, USA*

7. Course for chief emergency physician for management of interventions involving multiple casualties in accidents

*(After graduation chosen as a lecturer in the course and this course last year participated in several countries including Romania, Austria, New Zealand and Greece.)*

*ITACCS (International Trauma Anaesthesia & Critical Care Society - USA)  
The course was held in Copenhagen, Denmark*

8. Course on response to chemical accidents

*Strathclyde Fire Brigade - Scotland, course held in Romania and Scotland*

9. Intensive Course on emergency medicine

*European Community- Erasmus Hospital Brussels - held in Varna, Bulgaria*

10. Course on war surgery and medical triage

*Norwegian Army Medical Service*

11. air medical transport Course

*Norwegian Air Ambulance Service*

12. Disaster Medicine Course

*The Society of Emergency and Disaster Medicine in Romania (SMUCR) and Univ. of Medicine and Pharmacy, Targu Mures (International course in collaboration with the Fire Brigade of Paris, University of Creteil and the French Army Medical Corps).*

13. Rescue Operations Commander (C.O.S)

*Fire Brigade of Paris*

14. Paediatric Advanced Life Support

*The Society of Emergency and Disaster Medicine in Romania (SMUCR) and University of Medicine and Pharmacy, Targu Mures (International course in cooperation with Chicago Memorial Hospital, USA)*

15. Advanced Trauma Life Support

*The Society of Emergency and Disaster Medicine in Romania (SMUCR) and University of Medicine and Pharmacy, Targu Mures (International course in cooperation with the Royal Infirmary of Edinburgh)*



### III. Skills, personal skills and participation in professional and scientific activities

Language	Listening	Reading	Conversation	oral speech	Writing
Arabic (maternal)	C2	C2	C2	C2	C2
Romanian	C2	C2	C2	C2	C2
English	C2	C2	C2	C2	C2
French	C2	C2	C2	C2	C1
Greek	C1	B1	C1	C1	A1
German	B2	A2	B2	B1	A1
Italian	B2	A2	B2	B1	A1

#### Membership of professional bodies:

Member or former member of several scientific and professional organizations and organisms in the field of emergency medicine and disaster medicine both nationally and internationally such as:

1. The Secretary General and Founding Member of the Society of Emergency and Disaster Medicine in Romania 1991 -1999
2. SMUCR elected President - Society of Emergency and Disaster Medicine in Romania, 1999
3. Honorary Member of the American Academy of Emergency Medicine, AAEM 2012
4. Member of the Subcommittee of the International Medical Technical Committee for Fire Prevention 1992-2005
5. Member of the French Society of Disaster Medicine
6. Member of the European Society for Emergency Medicine (EuSEM)

7. Member of the executive board of the European Society of Emergency Medicine 2007-2012
8. Professional Committee Chairman of the European Society of Emergency Medicine 2012-present
9. President of the Foundation for SMURD 2007- present
10. Vice President of the Romanian Red Cross 10. 2015 - present
11. Honorary President SAMU Social in Romania 2016 - present

#### Memberships political organizations, parties ... etc .:

Without current or past affiliation.

#### Academic titles and activities:

1. Dr. Honoris Causa, University of Medicine, Varna, Bulgaria
2. Professor Honoris Causa, Babes-Bolyai University - Cluj
3. Visiting Professor, University of Medicine and Pharmacy Timisoara
4. Visiting Professor, University of Medicine and Pharmacy Iasi
5. Lecturer, University of Medicine and Pharmacy Cluj-Napoca 2006-2014
6. Associate Professor University of Bucharest, Administration Faculty
7. Associate Professor Titu Maiorescu University, Faculty of Medicine

#### Awards and decorations

Between 1993- 2016 of the most important awards and decorations received:

1. The decoration "Commander of the Order of The Lion of Finland" conferred by the President of Finland, 2017.

2. The decoration "Order of Honor" conferred by the President of the Republic of Moldova 2016
3. The Distinction "Emergency Medicine Founders Award" conferred by the American Academy of Emergency Medicine and the Mediterranean Academy of Emergency Medicine, 2015
4. The "Eagle Award" granted by the Romanian Medical Society of New York in 2014.
5. The Distinction "Plaque of Honour of the Ministry of Internal Affairs" offered by the Minister of Interior in 2014.
6. The decoration "The Legion of Honor in the rank of knight" conferred by the President of France in 2013.
7. The decoration "Nihil Sine Deo" conferred by King Michael of Romania in 2013.
8. The Distinction "Paul Harris Fellow" by Rotary International Foundation in 2012.
9. The Distinction "International Emergency Medicine Leadership Award" from the American Academy of Emergency Medicine in 2012.
10. The decoration "Order of Merit in rank of officer" conferred by the President of Romania in 2005.
11. The decoration "Order of Merit in rank of knight" conferred by the President of Romania in 2003.
12. Distinction "Fibula from Suseni" from Mures County Prefecture in 2003.
13. The title "Pro Urbe" awarded by the Municipal Council for volunteering, Targu Mures, Mures county, conferred in 1996

#### Manuals, books, documents:

1. The book "Manuel de Medecine of Catastrophe" - coordinated by General (r) Academician Dr. Henri Julien, president of the French Society of Disaster Medicine, as the author of the chapter "The State and Disasters" Publisher Lavoisier, Paris, ISBN 978-2 -257-20676-3, in January 2017, [http:](http://)

www.lavoisier.fr/livre/medecine/medecine-de-catastrophe/julien/  
descriptif-9782257206763

2. The book "A Multinational Telemedicine System for Disaster Response: Opportunities and Challenges" - Editors: Doarn, CR, Latifi, R., Hostiuc, F., Arafat, R., Zoicas, C., Netherlands, Publisher IOS Press, ISBN 978-1 -61499-727-6 to book printed and online 978-1-61499-728-3 . The book is part of the "NATO Science for Peace and Security, Volume 130" - January 2017, [http://www.iospress.nl/book/a-multinational-telemedicine-systems-for-disaster-response-opportunities-and- Challenges /](http://www.iospress.nl/book/a-multinational-telemedicine-systems-for-disaster-response-opportunities-and-Challenges/)

3. "Practical Guide for emergency medical care" - translation and adaptation from French to Romanian, Ed. Libra, 1995 ISBN 973-9016-43-X

4. Co-author of the chapter "Thailand and Romania" in the book "Strengthening Care for the Injured: Success Stories and Lessons Learned from Around the World" Published in 2010 by the World Health Organisation, ISBN 978 92 4156 3963

5. Co-author of "Intensive Care Medicine", vol. 3, edited Prof.Dr.Mircea Chiorean Prof.Dr.E.Cardan and I.Cristea 1999 ISBN 973-98147-8-6

6. Qualified First Aid Manual, Authors, Raed Arafat and Hajnal Vass, 2009 I.S.B.N. 978-973-0-06993-8

7. "Basic First Aid with and without equipment" - DVD and videocassette. Design and content - RaedArafat, CPSS 2003

8. Elements of Clinical Toxicology "- translation and adaptation from English, Printing Chromatic Targu Mures, 2003 ISBN 973-8406-20-x, coordinated Bellevue Hospital Emergency Department, New York

9. Participant in drafting the document: "Mass Casualty Management Systems, Strategies and guidelines for building capacity in the health sector" published by the World Health Organization in 2007, ISBN 978 924159 605 3

10. Co-author of the textbook "Prehospital Trauma Care Systems" published by the World Health Organization in 2005, ISBN 92 4 159 294 X

11. Technical expert in writing the document "Toolkit for Assessing health-system capacity for crisis management" World Health Organization, published in 2012, ISBN 978 92 890 0261 5

12. Co-author of the document "A practical tool for the Preparation of the hospital Crisis Preparedness plan, with particular focus on pandemic influenza" published by the World Health Organization in 2006, WHO received Number E89231

13. Co-author of the document "Emergency Medical Services Systems in the European Union" published by the World Health Organization in 2008,

14. Coordinated in 2006-2008 the drafting of the primary legislation for emergency medical care and the associated secondary legislation.

articles:

1. atrial fibrillation and congestive heart failure,  
A Randomized Trial of Nitroglycerin Bolus for the Treatment of Acute Congestive Heart Failure.

Phillip Levy, Aaron Hexdall, Peter Gordon, Cristian Boeriu and Raed Arafat  
Bellevue Hospital Center / NYU School of Medicine New York, NY, Mures  
County Hospital: TarguMures, Romania

Academic Emergency Medicine Volume 10, Number 5 544-545,

© 2003 Society for Academic Emergency Medicine

2. First response teams in rural Areas

Raed Arafat MD., Vass Hajnal RN.

3. Interhospital transfer protocols of critical adult and pediatric patient's in Romania.

Raed Arafat MD. \* Cristian Boeriu MD. \*\* Stephen Bohan MD. MS \*\*\* , Bogdan Vanghelie MD. \*\*

Romanian Society for Emergency & Disaster Medicine (RSEDM) \*\* Mures  
County University Emergency

Hospital, Emergency Department \*\*\* Birgham and Women's Hospital, Emergency Department

4. Retrospective Analysis of the emergency CT exams ordered by emergency department physicians

MURES COUNTY UNIVERSITY EMERGENCY HOSPITAL

Raed Arafat MD., Emanuel Baciu MD., Lidia Nicoara med.stud.

## 5. EVALUATION OF ROMANIAN HOSPITALS AS POTENTIAL TRAUMA CENTERS

Raed Arafat MD. \* Stephen Bohan MD. MS \*\*, Bogdan Vanghelie MD. \* \*  
Mures County University Emergency Hospital, Emergency  
\*\* Birgham Department and Women's Hospital, Emergency Department

## 6. EMERGENCY MEDICINE IN ROMANIA - Raed Arafat MD.

## 7. THE USE OF PRIMARY PREVENTION AMONG Patients Presenting WITH STROKE IN A ROMANIAN EMERGENCY DEPARTMENT

Klara Sandor, MD; Mihaela Mihalcea, MD; Raed Arafat, MD  
Mures County University Emergency Hospital, Romania Department  
Emergecny

## 8. A CASE REPORT OF MASS EXPOSURE TO 2,4 DINITROPHENOL.

James Sadock \* \* Peter Gordon, Manya Newton \*, Cristian Boeriu \*\* \*\* Raed Arafat. \* Bellevue Hospital Center / NYU School of Medicine New York, NY \*\*  
Mures County Hospital, Emergency Department -SMURD

## 9. An Emergency Ward Based Assessment of the Health Status of vulnerable Populations: Women's Health in Romania.

Aaron Hexdall \*, Peter Gordon \*, Mikhail Sherif \*, Cristian Boeriu \*\* \*\* Raed Arafat.

\* Bellevue Hospital Center / NYU School of Medicine New York, NY

\*\* Mures County Hospital, Emergency Department - SMURD

## 10. The Incidence of Untreated Atrial fibrillation Associated with Stroke in Transylvania, Romania.

Jeremy Sperling \*, Tibor Kovacs \*\* \*\* Raed Arafat, Peter Gordon \*.

\* Bellevue Hospital Center / NYU School of Medicine New York, NY

\*\* Mures County Hospital, Emergency Department - SMURD

## 11. Primary Health Care Patients in Need of Emergency Ward in Romania: the Roma Experience.

Aaron Hexdall \*, Peter Gordon \*, Mikhail Sherif \*, Cristian Boeriu \*\* \*\* Raed Arafat.

\* Bellevue Hospital Center / NYU School of Medicine New York, NY \*\* Mures County Hospital, Emergency Department - SMURD.

## 12. Emergency Medicine Training in Romania: A Cooperative Experience.

Aaron Hexdall \*, Peter Gordon \* \* Phillip Levy, Cristian Boeriu \*\* \*\* Raed Arafat.

\* Bellevue Hospital Center / NYU School of Medicine New York, NY \*\* Mures County Hospital, Emergency Department - SMURD

13. What World Health Assembly resolution 60.22 of means to Those Who Care for the Injured

Charles Mock; Raed Arafat; Witaya Chadbunchachai; Manji Joshipura; Jacques Goosen

World Journal of Surgery. 2008; 32 (8): 1636-1642.

### Projects / Grants Mngement - participation in European projects:

Participant of several European projects as an expert, consultant or coordinator that:

1. I SEE project, as an expert, financed by the European Union under the FP7

Free University of Brussels coordination of multinational consortium. Project area is disaster medicine.

2. Project POSDRU - Ministry of Labour / 86 / 1.2 / S / 63 827 "enhanced curriculum and interactive forms of teaching and learning for specialties. study program licensed from faculties of medicine" beneficiary University of Medicine and Pharmacy "Iuliu Hatieganu" Cluj - Napoca - participated as Project Manager .

3. Project POSDRU - Ministry of Labour / 81 / 3.2. / S / 58 809 "integrated intervention Professionals for collective accidents and disasters "beneficiary SMURD Foundation - participated as process responsible - specialist expert.

4. Multinational Capacity for Telemedicine in disaster response , Project under the NATO Science for Peace program, as co-director of the program from NATO. (2014-2017)

### Volunteer activity:

Began volunteering in first aid during 1979 in Nablus. During medical studies in Cluj became volunteer of the Surgical Clinic Scientific Circle and later became part of the emergency intervention team of vascular surgery under Professor Aurel Kaufman. Later, after graduating in 1990, began developing a

voluntary crew for emergency medical intervention in Cluj. Later, in September 1990, the initiative was moved to Targu Mures where under the support of Professor Mircea Chioreanu and Col. Liviu Micu the initiative of founding and developing SMURD and later the first emergency departments began.

Worked as volunteer until 1998 when I first signed an employment contract with the County Emergency Hospital of Targu Mures.

continued development of SMURD, the system spread to other counties until the year 2006/2007 when I started working nationally at the Ministry of Health, after a political decision to implement the system nationally was taken. In August 2007 I accepted the position of Undersecretary of State for Health to implement the model developed in Targu Mures in the rest of Romania.