

## Biographical details for Elina Samara



1. **Family name:** Samara
2. **First name:** Elina (Eleni-Theano)
3. **Date of birth:** March 17, 1983
4. **Residence:** Sion, Switzerland
5. **Present position:** Medical radiation physicist, Valais Hospital  
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### 6. Academic Qualifications :

Institution (Date from - Date to)	Degrees obtained
University of Lausanne, Faculty of Biology and Medicine (2009-2012)	PhD (Life Sciences)
University of Crete, Faculty of Medicine (2005-2008)	M.Sc. (Medical Radiation Physics)
University of Crete (2000-2005)	B.Sc. (Physics)

### 7. Membership of professional bodies:

- European Society of Radiology
- Swiss Society of Radiobiology and Medical Physics

### 8. Professional licenses:

- Professional license to work as Hospital Radiation Physicist from the Greek Ministry of Health in the area of ionizing radiation (2008)
- Professional license to work as Hospital Radiation Physicist from the Greek Ministry of Health in the area of non-ionizing radiation (2008)

### 9. Professional experience

2012 – Today: Medical radiation physicist, Valais Hospital,

2008 – 2012: University assistant, Institute of Radiation Physics, University of Lausanne

### **10. Research Interests:**

Population dose, patient exposure in interventional radiology, radiation protection in operation theaters, risk estimation

### **11. Publications:**

1. Samara ET, Stratakis J, Enele Melono JM, Mouzas IA, Perisinakis K, Damilakis J, Therapeutic ERCP and pregnancy: Is the radiation risk for the conceptus trivial?, *Gastrointest Endosc.* 2009;69(4):824-31
2. Mazonakis M, Lyraraki E, Varveris C, Samara E, Zourari K, Damilakis J, Conceptus dose from involved-field radiotherapy for Hodgkin's lymphoma on a linear accelerator equipped with MLCs. *Strahlenther Onkol.* 2009;185(6):355-63
3. Samara ET, Aroua A, Stauffer JC, Bochud F, Verdun FR, Fluoroscopy-guided procedures in cardiology: is patient exposure being reduced over time?, *Radiat Prot Dosimetry* 2010; 139(1-3):271-4
4. Treier R, Aroua A, Verdun FR, Samara E, Stuessi A, Trueb PR, Patient doses in CT examinations in Switzerland: implementation of national diagnostic reference levels. *Radiat Prot Dosimetry* 2010; 142(2-4):244-54
5. Samara ET, Aroua A, De Palma R, Stauffer JC, Schmidt S, Trueb PR, Stuessi A, Treier R, Bochud F, Verdun FR, An audit of diagnostic reference levels in interventional cardiology and radiology: are there differences between academic and non-academic centres? *Radiat Prot Dosimetry* 2012; 148(1):74-82.
6. Samara ET, Aroua A, Bochud FO, Ott B, Theiler T, Treier R, Trueb PR, Vader JP, Verdun FR, Exposure of the Swiss population by medical x-rays: 2008 review, *Health Physics* 2012; 102(3)
7. Le Coultre R1, Aroua A, Samara E, Rochat M, Coendoz S, Verdun F, Exploring the use of the Swiss medical tariffication codes (TARMED) in the establishment of the frequency of radiodiagnostic examinations. *Swiss Med Wkly.* 2012 Sep 26
8. Samara ET, Aroua A, Bochud FO, Delabays A, Laedermann JP, Verdun FR, Patient Radiation Risk in Interventional Cardiology. *OMICS J Radiology* 2012, 1:2
9. Aroua A, Samara ET, Bochud FO, Meuli R, Verdun FR. Samara, Exposure of the Swiss population to computed tomography. *BMC Med Imaging.* 2013; 13:22
10. Samara ET, Schoepflin R, Presilla S, Professional survey in Switzerland: medical physicists in radiodiagnostics, *MPI* 2016; vol. 4 No.2

Chapters in International Textbooks: Aroua A, Verdun FR, Stauffer JC, Bochud F, Samara ET, Protection of the patient and the staff from radiation exposure during fluoroscopy-guided procedures in cardiology, Source: *Advances in the Diagnosis of Coronary Atherosclerosis*, ISBN 978-953-307-286-9

### **12. Academic activities:**

- Member of the „Physics in Radiology“ subcommittee, European Congress of Radiology (ECR) (2017-2018)
- Member of the working group 'ASK EUROSAFE IMAGING' (2015-2017)

- Member of the Education and training committee of the International Organization of Medical Physics (IOMP) (2015-2018)
- Member of the UNSCEAR Expert Group on Medical Exposure (2017)
- Peer-reviewer for Radiation protection dosimetry, Physica Medica, AAPM

### **13. Languages**

Greek (mother tongue), English (C2), French (C2), German (C1), Spanish (B1)