

• ORGANIZING AND SCIENTIFIC COMMITTEE

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H.U. Salamanca

Amadeo Wals Zurita. *Oncólogo RT.*
H.U. Virgen Macarena (Sevilla)

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Organisers:



SORCYL

Sociedad de Oncología Radioterápica
de Castilla y León

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ARTIFICIAL INTELLIGENCE IN RADIATION ONCOLOGY



SALAMANCA 2023

VENUE: EUROSTARS LAS CLARAS HOTEL

THURSDAY JUNE 29

16:00 Reception

16:55 Welcome
Organizing Committee

Moderator: Dra. M^a Carmen Rubio Rodríguez. HM Hospitales. Madrid

17:00 AI Concepts and Methods
Dr. Juan Manuel Corchado Rodríguez. Universidad de Salamanca

17:20 AI for oncology outcomes prediction
Dr. Amadeo Wals Zurita. H.U. Virgen Macarena, Sevilla

17:40 What do we need to participate in AI EU-funded projects?
Pending speaker

18:00 Discussion

18:15 Coffee

Moderator: Dr. Javier Serrano Andreu. Clínica Universidad de Navarra, Madrid

18:45 AI based autocontouring and dose prescription
Dr. Juan Antonio Vera Sánchez. Hospital QuirónSalud, Madrid

19:05 AI for adaptive radiotherapy: the Ethos solution
Sra. Naiara Fuentemilla Urío. H.U. Navarra, Pamplona

19:25 Potential challenges for AI along the RT workflow
Dr. Davide Cusumano. Hospital Gemelli, Roma (Intervention by videoconference)

19:45 Discussion

21:00 Dinner

FRIDAY JUNE 30

Moderator: Dr. Damián Guirado Llorente. Universidad de Granada

8:30 AI solutions for radiotherapy (I)

8:30-8:40 Accelerating Radiation Therapy Planning with Autocontur: An AI Tool for Contours Generation
Dr. Sebastián Sánchez Góez. Aplicaciones Tecnológicas

8:40-9:00 Data driven indication specific treatment planning for radiotherapy and radiosurgery
Dr. Cornelis Kamerling. BrainLab

9:10-9:20 AI autocontouring is a reality: MVISION.
Dr. Nestor Chinillach Ferrando, PhD. DTA

9:20-9:35 AI for earlier diagnostics, treatment planning and delivery acceleration.
Mrs. Laura Benítez, Healthcare Innovation Strategist, Microsoft

9:35 Automated treatment planning solutions
Mr. Mohammad Hussein. National Physical Laboratory (UK)

9:55 Discussion

10:00 Oral communications: AI for RT-experiences (I)
Dr. David Miguel Pérez. Valladolid University Clinical Hospital

10:20 AI solutions for radiotherapy (II)

10:20 - 10:30 Automatic segmentation with artificial intelligence AIRC OrgansRT
Mr. Miguel Rodríguez Checa. Varian

10:30-10:45 AI in clinical practice - challenges - needs - future vision
Mr. Florian Cremelie. Clinical Implementation Specialist at MIM Software (Intervention by videoconference)

10:45-10:55 AI solution embedded in CT Aquilion LB Exceed (AICE)
Mr. Israel López Velázquez. Business manager CT en Canon Medical Systems Europe

11:00 Coffee

Moderator: Dr. Jaime Martí Asenjo. HM Hospitales, Madrid

11:25 Radiotherapy and Artificial Intelligence
Prof. Vincent Grégoire. Léon Bérard Cancer Center, Lyon, France

11:45 AI clinical impact in oncologic imaging: An engineer perspective
Dr. Pedro M. Martínez Gironés. La Fe University and Polytechnic Hospital

12:00 AI clinical impact in oncologic imaging : A radiologist perspective
Dr. Luis Gorospe Sarasua. Ramon y Cajal University Hospital

12:15 Discussion

12:30 Oral communications: AI for RT-experiences (II)

13:20 Optimization of treatment strategies: AI or mathematical models?
Dr. Gabriel Fernández Calvo. Universidad de Castilla-La Mancha, Ciudad Real

13:40 Discussion

13:50 Wrap-up and conclusions
Dr. Luis A. Pérez-Romasanta. H.U. Salamanca