

Pathogenesis and early diagnosis of DR and RVO in the AI era

16 April 2025

Webinar

Time: 17:30 - 19:30 CET

ESASO Scientific Director: Mario Romano

Course Scientific Coordinators: Giuseppe Querques and Riccardo Sacconi

Session Chairman: Francesco Bandello (I)

Moderators: Giuseppe Querques (I) , Riccardo Sacconi (I)

17:30- 17:35 Welcome and Introduction	Francesco Bandello (I)	5 Min.
17:35 -17:50 Novel insights into the pathogenesis of diabetic retinopathy and their clinical potential		
Explain the pathogenesis of the DR, and how it is changed with new insights (the role of the neurovascular units, the role of inflammation etc...). A focus will be held on the possible clinical potential of these new insights.	Reinier Schlingemann	15 Min.
17:50 -18:05 The role of inflammation in the pathogenesis of diabetic macular edema: beyond retinal vessels		
Explaining the role of inflammation in the development and the maintenance of the disease.	Paolo Lanzetta	15 Min.
18:05- 18:20 RVO: updates on the pathogenesis and the role of inflammation		
Explain the pathogenesis of the RVO, and how it is changed with new insights. A particular focus will be held on the role of inflammation	Joao Figueira	15 Min.
18:20 – 18:30 Discussion	All speakers <i>Moderators:</i> <i>Giuseppe Querques, Riccardo Sacconi</i>	10 Min.

<p>18:30 – 18:45 The relevance of screening programs in diabetic patients Why is a screening program relevant? What are the characteristics of a screening program to work? Examples of screening programs for DME. State of arts in the real world</p>	<p>Patricia Udaondo</p>	<p>15 Min.</p>
<p>18:45 -19:00 Utility of AI algorithms to detect DR retinopathy: Results of head-to-head study of AI algorithms for Detecting Diabetic retinopathy Reporting results of AI algorithms for the diagnosis of diabetic retinopathy.</p>	<p>Adnan Tufail</p>	<p>15 Min.</p>
<p>19:00 – 19:15 AI in the screening of diabetic retinopathy: are we ready for daily practice application? Reporting the real-life experience and possible incoming screening program for the diagnosis of diabetic retinopathy.</p>	<p>Javier Zarranz–Ventura</p>	<p>15 Min.</p>
<p>19:15- 19:25 Discussion</p>	<p>All speakers <i>Moderators:</i> <i>Giuseppe Querques, Riccardo Sacconi</i></p>	<p>10 Min.</p>
<p>19:25 – 19:30 Take home message and closing remarks</p>	<p>Francesco Bandello</p>	<p>5 Min.</p>