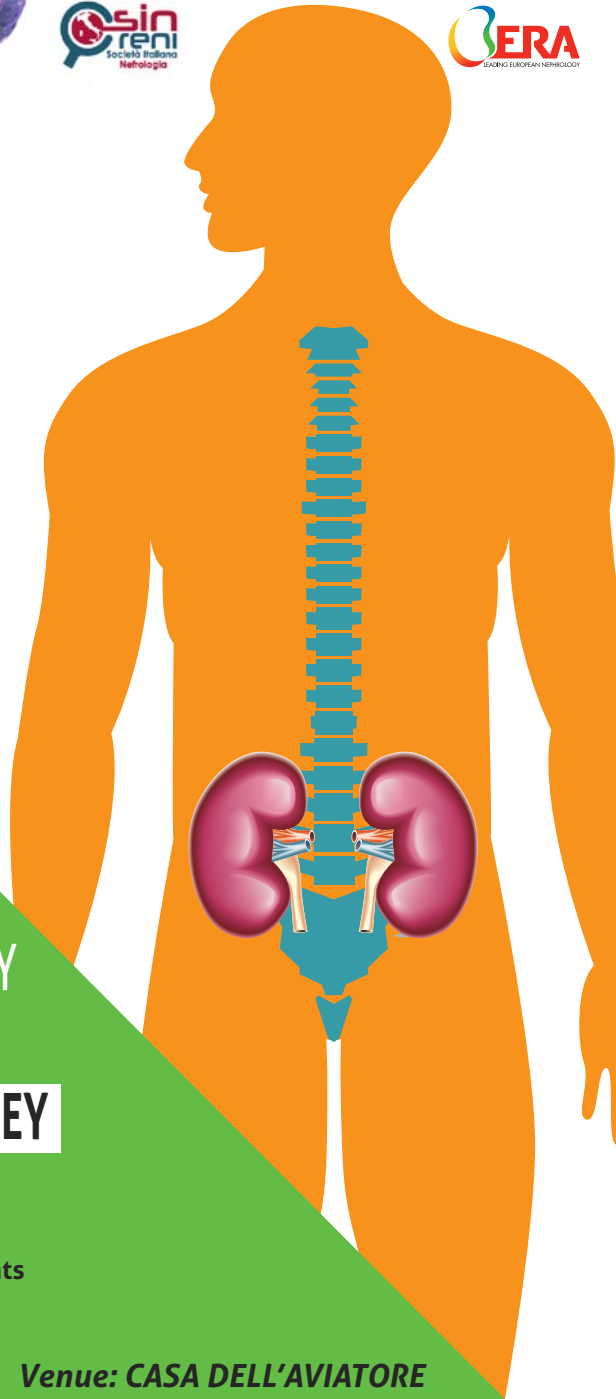
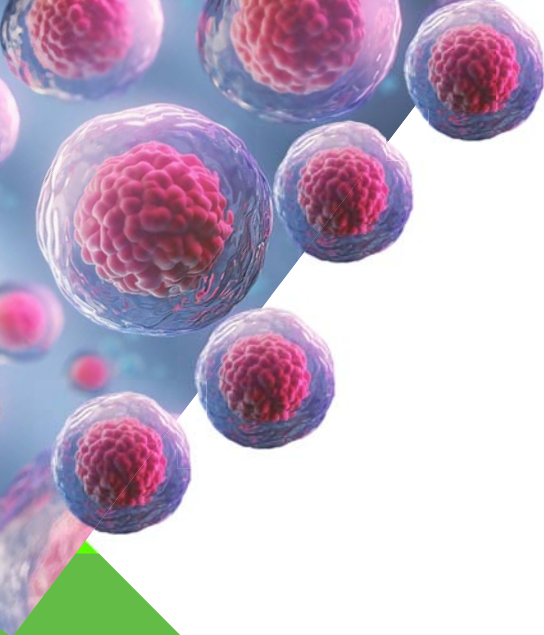


Con il Patrocinio di



CKD-MBD
Master Class 2025

FROM THE PATIENT'S BEDSIDE TO LABORATORY CELLS AND BACK:

A BIDIRECTIONAL JOURNEY

by the
SIN Working Group
on Mineral Metabolism & Trace Elements

ROME, 2025
SEPTEMBER 12/13

Venue: CASA DELL'AVIATORE
Viale dell'Università, 20

RATIONALE

Chronic Kidney Disease & Mineral Bone Disorders (CKD-MBD) represent a common complication of chronic kidney disease (CKD), associated with accelerated skeletal and vascular aging and an increased risk of all-cause mortality. The established treatment approach for CKD-MBD currently includes nutritional, dialysis and pharmacological therapies (phosphate binders, calcimimetics and vitamin D). Clinical research is further exploring partially uncharted areas, such as targeted treatment for vascular calcifications (VC), the pleiotropic effects of calcimimetics, the skeletal and vascular impacts of anticoagulant therapy, the assessment of bone turnover, fracture risk and the use of antiresorptives in CKD. It also focuses on personalized nutritional therapy and the impact of uremic toxins on mineral metabolism. Additionally, emerging evidence suggests interactions between CKD-MBD and other CKD-related conditions, such as renal aging, tubulointerstitial damage, anemia and left ventricular hypertrophy.

The CKD-MBD Masterclass 2025 will address these new advancements, focusing on their direct clinical impact. The course, guided by a panel of experts, will include keynote lectures and interactive sessions with ample time for discussion. In line with the mission of the Project Group, the training of young nephrologists will include both theoretical and practical sessions to simulate procedures useful in diagnosing and treating CKD-MBD (e.g., bone biopsy interpretation and non-invasive bone mineralization assessment).

PROGRAM

Friday, September 12

SALA BALBO 1

09:30-10:00 Registration at desk

10:00-10:30 Welcome
Simona Barbuto, Silverio Rotondi

10:30-12:30 **Workshop: "Clinical Research in CKD-MBD"**
Antonio Bellasi, Lorenza Magagnoli, Giovanni Tripepi

12:30-12:45 **Closing remarks**
Question & answers

SALA BARACCA

13:00-14:00 Registration at desk

Non accreditata ECM



14:00-14:30 Introduzione: Tossine Uremiche e Infiammazione in Dialisi
Mario Cozzolino

Letture

Infiammazione in Emodialisi: Quale tecnica depurativa?

Matteo Floris

Discussione: *Mario Cozzolino*

14:30-15:00 Welcome
*Mario Cozzolino, Sandro Mazzaferro,
Simona Barbuto, Silverio Rotondi*

15:00-15:30 **Plenary Lecture**
Introduction: *Mario Cozzolino*

CKD-MBD in the Osteoimmunology Era
Sandro Mazzaferro

Experimental CKD-MBD part 1

Chairs: *Mario Cozzolino, Lorenza Magagnoli*

- 15:30-15:50** The Role of Osteocytes in CKD-MBD:
New Perspectives
Marie-Hélène La-Fage Proust
- 15:50-16:10** Vascular Calcification: is Endothelium the Missing
Culprit?
Paola Ciceri
- 16:10-16:30** Endothelial Function and Bone Disease in Normal and
CKD: HIF 1° and What Else?
Lida Tartaglione
- 16:30-16:45** **Question & answers**
- 16:45-17:15** **Coffee Break**

Experimental CKD-MBD part 2

Chairs: *Sandro Mazzaferro, Lida Tartaglione*

- 17:15-17:35** Inflammation and Gut Dysbiosis as Drivers of CKD-MBD
Pieter Evenepoel
- 17:35-17:50** Tubular Kidney Cells the Main Actor in CKD-MBD?
Silverio Rotondi
- 17:50-18:00** **Question & answers**
- Closing Remarks**

PROGRAM

Saturday, September 13

SALA BALBO 1

Practical Course for Nephrology Fellows and Young Nephrologists: 2.0 *Bone Quality Assessment*

08:30-08:50 Welcome
Silverio Rotondi

HANDS ON SESSION

Room A

08:50-09:10 Bone Biopsy: Reading Histology
Tutor: *Sandro Mazzaferro*
GROUP 1
GROUP 2

Room B

09:10-09:30 CKD-MBD: Bed Side Instrumental Diagnosis
Tutor: *Lida Tartaglione*
GROUP 2
GROUP 1

SALA BARACCA

09:30-09:45 Welcome
*Mario Cozzolino, Sandro Mazzaferro,
Simona Barbuto, Silverio Rotondi*

09:45-10:20 Plenary Lecture
Introduction: *Sandro Mazzaferro*
New CKD-MBD Guidelines: What's New?
Markus Ketteler

CKD-MBD: Focus on Bone

Chairs: *Maria Fusaro, Paolo Mené*

- 10:20-10:50** How to Assess Bone Health in Patients with Chronic Kidney Disease: Practical Tips
Hanne Skou Jørgensen
- 10:50-11:10** Osteoanabolic Therapy in CKD and Transplant
Simona Barbuto
- 11:10-11:30** Antiosteoporotic Treatment: Moving Towards Sequential and Combined Therapy also in CKD?
Pablo Ureña-Torres
- 11:30-11:50** *Coffee Break*

CKD-MBD: Focus on Vascular-Calcification

Chairs: *Andrea Galassi, Lorenza Magagnoli*

- 11:50-12:10** Assessing Vascular Calcification: Between the Old and New
Maria Lerche Mace
- 12:10-12:30** MRA and FGF23 in the Progression of CKD
Giuseppe Cianciolo
- 12:30-12:50** Vascular Health and Vitamin K: How and Why
Maria Fusaro
- 12:50-13:10** Vascular Damage in CKD-MBD: Potential Role of Evolocumab and SNF472
Antonio Bellasi
- 13:10-13:30** *Question & answers*
- 13:30-14:30** *Lunch*

14:30-15:00 Plenary Lecture

Introduction: *Mario Cozzolino*

PTH Assays and Targets

Etienne Cavalier

**Biomarkers, Bones and Vessels: A Practical Guide
to Personalized Therapy**

Chairs: *Simona Barbuto, Antonio Bellasi*

15:00-15:20 Vitamin D in CKD: Which D for Which Target?

Mario Cozzolino

15:20-15:40 Calcimimetic in CKD-MBD: A Drug for Multiple Targets

Andrea Galassi

15:40-16:00 Phosphate Lowering Drugs: What's New?

Lorenza Magagnoli

16:00-16:20 Question & answers

CKD-MBD in Specific Populations

Chairs: *Silvia Lai, Marzia Pasquali*

**16:20-16:40 ADPKD and CKD-MBD: Specific Characteristics and
Role of Therapy**

Pietro Manuel Ferraro

**16:40-17:00 Diabetes and Bone Health: the Role of Antidiabetic
Drugs**

Andrea Palermo

17:00-17:20 Post-Transplant Hyperparathyroidism: How to Avoid and Treat it?

Carlo Alfieri

17:20-17:30 *Question & answers*

Closing Remarks

GENERAL INFORMATION

Venue

Casa dell'Aviatore - Viale dell'Università, 20 - Rome

Congress Presidents

Mario Cozzolino, Sandro Mazzaferro

Scientific Committee

Simona Barbuto, Lorenza Magagnoli, Silverio Rotondi, Lidia Tartaglione

Registration

Participation in the event does not include registration fee. It's still necessary to register on the site www.fenicia-events.eu in the section "MEDICAL/RESIDENTIAL CONGRESSES" selecting the event in object.



CME Accreditation

The Event was added by Simulaid Srl – Provider accredited with the accreditation number 4156 – in its training plan 2025 under the National Programme of Continuing Medical Education. The Event will be accredited for the following categories: Cardiology, Endocrinology, Internal Medicine, Nephrology.

Certification with CME credits will be issued by e-mail and will be subject to:

- Registration on the Congress website
- Passing the online learning questionnaire.

The online compilation of the satisfaction and learning questionnaires will be possible **from 13 to 16 September 2025**.

The CME certificate will be sent at the end of the completion of the questionnaires to all those who have participated in the 90% of the works to the e-mail address indicated.



Organizing Secretariat



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