

Evaluation of bone health within blood is a challenge. Vitamin D, PTH and bone turnover markers like P1NP and CTx are the most frequently used biomarkers. However, do all these biomarkers have true clinical value in the diagnosis and follow up of patients with bone (related) diseases? What are the analytical possibilities? Moreover, what unmet clinical needs exist in the field of biomarkers for bone health? And will we be able to fulfill these needs in the future in the laboratory?

These questions will be answered by national and international experts in the field during the symposium preceding the PhD defenses of Mariska Vlot and Niek Dirks in the VU University in Amsterdam.

**Laboratory evaluation
&
Unmet clinical needs of bone health**

March 23

9.45h-9.55h Introduction

Laboratory evaluation of bone health

9.55h-10:25h

Clinical utility and analytical possibilities: current status

Drs Mariska Vlot and Drs Niek Dirks

10.25h-10.50h coffee break

Bone health: unmet clinical needs

10:50h-11:00h

What are “unmet clinical needs”?

Prof Dr Christa Cobbaert

11:00h-11:20h

The endocrine perspective

Prof Dr Barbara Obermayer-Pietsch

11:20h-11:40h

The nephrology perspective

Prof Dr Marc Vervloet

11:40-12:00h coffee break

Laboratory evaluation of bone health

12:00h-12:20h

Future perspectives

Prof Dr Etienne Cavalier

12:20-12:30h

Closing remarks

Lunch

13:45h PhD defense Mariska Vlot

15:45h PhD defense Niek Dirks

Speakers:

Drs Mariska Vlot

PhD student at Amsterdam UMC, Amsterdam

Internist- endocrinologist in St Jansdal hospital, Harderwijk

Drs Niek Dirks

PhD student at Amsterdam UMC, Amsterdam

Clinical chemist in residence at Atal Medial, Amsterdam

Prof Dr Christa Cobbaert

Laboratory specialist and head of the Clinical Chemistry and Laboratory Medicine department at Leiden University Medical Center, Leiden

Vice Chair of the IFCC Scientific Division (International Federation of Clinical Chemistry)

Prof Dr Barbara Obermayer-Pietsch

Internist endocrinologist and head of the department of Endocrinology at the University Hospital Graz, Austria

Board member and Chair of the research committee of the European Calcified Tissue Society

Prof Dr Marc Vervloet (Amsterdam UMC)

Nephrologist at the Amsterdam UMC, Amsterdam

Chair of the ERA-EDTA working group on CKD-MBD (Chronic Kidney Disease – Mineral Bone Disorder)

Prof Dr Etienne Cavalier

Clinical Chemist and head of the Clinical Chemistry department at Centre Hospitalier Universitaire de Liège, Belgium

Chair of the IFCC Bone Committee (International Federation of Clinical Chemistry)

Organization Committee

Dr Ir Mariette Ackermans, Endocrine Laboratory, dept. of Clinical Chemistry

Prof Dr Martin den Heijer, dept. of Internal Medicine, Endocrinology

Dr Annemieke Heijboer, Endocrine Laboratory, dept. of Clinical Chemistry

Prof Dr Robert de Jonge, dept. of Clinical Chemistry

Amsterdam UMC

Registration

Registration for the symposium is free of charge. To organize the catering please register before March 1, 2020: a.vannieuwkoop@amsterdamumc.nl. Please include your BIG number/debiteur number if applicable.

Location

Auditorium, Hoofdgebouw, VU University, de Boelelaan 1105, 1081 HV Amsterdam

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