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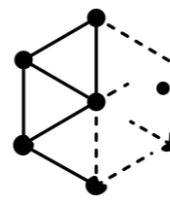
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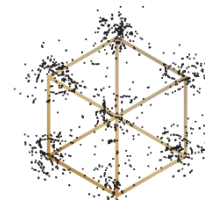
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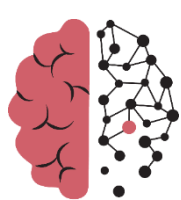
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NO-Age



NO-AD

# The NO-Age and NO-AD Seminar Series 033

## The Pathogenesis of the Metabolic Syndrome in the Elderly

*by*

Prof. Kitt Petersen, Professor of Medicine (Endocrinology)  
Yale School of Medicine, USA

*at*

14:00-15:00 (CET), Thursday, 11<sup>th</sup> Nov 2021

**Register in advance** for this webinar:

[https://uio.zoom.us/webinar/register/WN\\_zAUxkULrTEiziquSEltm8Q](https://uio.zoom.us/webinar/register/WN_zAUxkULrTEiziquSEltm8Q)

Organizers:

Evandro F. Fang (UiO), Jon Storm-Mathisen (UiO), Menno P. Witter (NTNU),  
Lene Juel Rasmussen (KU), W.Y. Chan (CUHK)

Queries: [e.f.fang@medisin.uio.no](mailto:e.f.fang@medisin.uio.no)

Previous recorded talks are available here: <https://noad100.com/videos-previous-events/>



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[https://medicine.yale.edu/profile/kitt\\_petersen/](https://medicine.yale.edu/profile/kitt_petersen/)

**Photo:** Yale

**Speaker: Kitt Petersen**

**Title: The Pathogenesis of the Metabolic Syndrome in the Elderly**

**Abstract:**

In this presentation I will discuss the relation between the metabolic syndrome and insulin resistance and how this specifically applies to aging. I will show how muscle insulin resistance in young and older is the underlying factor causing excess carbohydrate intake to promote hepatic steatosis, dyslipidemia and the metabolic syndrome.

**Biography:**

Dr. Petersen is Professor of Internal Medicine in the Section of Endocrinology, Yale University School of Medicine, Co-Director of the Clinical Research Core at the Yale Diabetes Research Center.

She is the Honorary Professor of Medicine and Clinical Physiology at University of Copenhagen, Deputy Director of the Metabolic Imaging and Liver Metabolism Section at the Center for Basic Metabolic Research, Copenhagen University, Denmark.

Dr. Petersen received her MD degree from the University of Copenhagen (1985), completed clinical training at the university hospitals in Copenhagen. She then received the prestigious Kandidat Fellowship and the Senior Fellowship from the Danish Academy of Sciences for research in metabolism at the University of Copenhagen (1986-1991).

These awards allowed Dr. Petersen in 1990 to pursue further postdoctoral training at Yale University Center for Magnetic Resonance Spectroscopy. After completing fellowship training Dr. Petersen joined Yale University School of Medicine as Research Scientist, Assistant Professor, Associate Professor and in 2012 became Professor of Internal Medicine.

She has received prestigious awards for her clinical research, including:

Henry Christian Award for Excellence in Clinical Research (1997, 1998, 2004)

Novartis Young Investigator Award for Excellence in Clinical Research in Diabetes (2002)

Glaxo Smith Kline Scholar Award (2003)

Distinguished Clinical Scientist Award from the American Diabetes Association (2009)

Team Science Award, Association for Clinical and Translational Science (2016)

Dr. Petersen has published over 140 articles using stable isotopes MR spectroscopy to explore the pathogenesis of NAFLD, type 2 diabetes, insulin resistance in aging, obesity, and low birth weight and the reversal of NAFLD and insulin resistance with caloric restriction or exercise.