

# Chasing the perfect storm

Citation for published version (APA):

Rapp, N. A. (2023). Chasing the perfect storm: Vascular calcification in chronic renocardiac syndrome. [Doctoral Thesis, Maastricht University]. Maastricht University. https://doi.org/10.26481/dis.20230516nr

#### Document status and date:

Published: 01/01/2023

DOI:

10.26481/dis.20230516nr

#### **Document Version:**

Publisher's PDF, also known as Version of record

#### Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

Link to publication

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
  You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

www.umlib.nl/taverne-license

Take down policy

If you believe that this document breaches copyright please contact us at:

repository@maastrichtuniversity.nl

providing details and we will investigate your claim.

Download date: 02 May. 2024

### **Propositions**

# Chasing the perfect storm: Vascular calcification in chronic reno-cardiac syndrome

## by Nikolas Rapp

- A better understanding of the effects of uremic retention molecules in chronic kidney disease is key to develop strategies to reduce vascular calcification. (this thesis)
- II. The entirety of serum is a better predictor for vascular calcification propensity than single biomarker measurements. (this thesis)
- III. Human iPSC derived vascular smooth muscle cells are superior to primary vascular smooth muscle cells for disease screening and drug testing. (this thesis)
- IV. With a more personalised approach, including optimised dosage, timing, and co-treatment, vitamin K supplementation is an attractive treatment for prevention of vascular calcification, both in the general population as well as in CKD patients. (this thesis)
- V. Food is the single strongest lever to optimise human health and environmental sustainability, nutrition should be in the centre of attention for improving planetary health. (Avesani et al, Journal of Renal Nutrition, 2022)
- VI. The current physicochemical classification of uremic toxins does not adequately reflect the biologic consequences of the toxins and is not able to identify which toxins possess the most clinical relevance. (Rosner et al, CJASN, 2021)
- VII. Everything in food is science. The only subjective part is when you eat it. (Alton Brown)
- VIII. Remember kids, the only difference between screwing around and science, is writing it down. (Adam Savage, MythBusters)
  - IX. Es ist nicht deine Schuld, dass die Welt ist wie sie ist. Es wäre nur deine Schuld wenn sie so bleibt. // It's not your fault that the world is how it is. It would only be your fault if it stays that way. ("Deine Schuld" Die Ärzte)
  - X. Your opinion, although interesting, is irrelevant. (rule #7)