

# The complement system and obesity-associated metabolic disorders

Citation for published version (APA):

Xin, Y. (2019). *The complement system and obesity-associated metabolic disorders: The CODAM study*. [Doctoral Thesis, Maastricht University]. Gildeprint Drukkerijen. <https://doi.org/10.26481/dis.20190925xy>

## Document status and date:

Published: 01/01/2019

## DOI:

[10.26481/dis.20190925xy](https://doi.org/10.26481/dis.20190925xy)

## 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 rights.

- 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](http://www.umlib.nl/taverne-license)

## Take down policy

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

[repository@maastrichtuniversity.nl](mailto:repository@maastrichtuniversity.nl)

providing details and we will investigate your claim.

**Propositions**  
accompanying the dissertation

**The complement system and obesity-associated  
metabolic disorders: The CODAM study**

1. Higher plasma concentrations of complement components from the alternative pathway are present in people with obesity and are associated with the development of obesity. (*This dissertation*)
2. Elevated plasma concentrations of alternative pathway components are associated with a pro-atherogenic lipoprotein subclass profile in the circulation. (*This dissertation*)
3. Plasma concentrations of alternative pathway components are associated with metabolic syndrome as well as insulin resistance, and especially the central component C3 is involved in the development of the metabolic syndrome and type 2 diabetes. (*This dissertation*)
4. Different plasma markers of dicarbonyl stress have distinct associations with systemic complement activation. (*This dissertation*)
5. The role of plasma complement markers as etiological factors, risk prediction biomarkers, as well as intervention and therapeutic targets in obesity and related metabolic disorders is worth further investigation.
6. One of the most important fundamentals for biomedical science is the thought for human needs.
7. "As our world continues to generate unimaginable amounts of data, more data lead to more correlations, and more correlations can lead to more discoveries." (*Hans Rosling*)
8. "Declare the past, diagnose the present, foretell the future." (*Hippocrates*)
9. "学而不思则罔，思而不学则殆。" (*孔子*)  
"Learning without thinking leads to confusion, thinking without learning is wasted effort." (*Confucius*)
10. "I am prepared for the worst, but hope for the best." (*Benjamin Disraeli*)
11. 当你因仰望天空而迷失时，别忘了看看脚下的路。(辛莹 & 姚天宇)  
When you feel lost looking up at the sky, remember to look at the road under your feet. (*Ying Xin & Tianyu Yao*)