

# The complement system and obesity-associated metabolic disorders

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## **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*)