Maastricht University

VEGFR-1 function and dysfunction in monocytes

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Stellingen behorende bij het proefschrift

VEGFR-1 function and dysfunction in monocytes

1. The role of VEGF receptor 1 is a mystery with respect to VEGF-mediated angiogenesis. *(Robert S. Kerbel, N Engl J Med, 2008)*

2. TK domain of VEGFR-1 plays a crucial role in the induction of monocyte migration in response to PlGF-1 or VEGF-A. *(this thesis)*

3. Selective alteration of VEGFR-1 signaling (in contrast to fMLP-induced signaling) in diabetes indicates a higher sensitivity, i.e. vulnerability of the VEGFR-1 system. *(this thesis)*

4. Elevated RAGE expression and oxidative stress in diabetic monocytes contribute to desensitization of VEGFR-1. *(this thesis)*

5. Oxidative stress induces oxidative modifications of PTPs resulting in their inhibition in diabetic monocytes. *(this thesis)*

6. Intensive glucose control in patients with type 2 diabetes mellitus reduces the progression of microvascular disease, but the effect on macrovascular complications remains uncertain. *(Duckworth et al, N Engl J Med, 2009)*

7. Viewing a stressful soccer match more than doubles the risk of an acute cardiovascular event. *(Wilbert-Lampe et al, N Engl J Med, 2008)*

8. Drugs don't work in patients who don't take them. *(C. Everett Koop)*

9. If you don't take a temperature, you can't find a fever. *(Rule 10 of "House of God", S. Shem)*

10. The first law of dietetics seems to be if it tastes good, it is bad for you. *(Isaac Asimov)*

Vadim Tchaikovski, the 16th of December 2009