Maastricht University

On the procoagulant effect of fibrin : a resonance loop between fibrin - von Willebrand factor - platelets and thrombin

Citation for published version (APA):

Kumar, R. (1997). *On the procoagulant effect of fibrin : a resonance loop between fibrin - von Willebrand factor - platelets and thrombin*. [Doctoral Thesis, Maastricht University]. Universiteit Maastricht. https://doi.org/10.26481/dis.19970619rk

Document status and date:
Published: 01/01/1997

DOI:
10.26481/dis.19970619rk

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

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: 17 Apr. 2024

Stellingen - Positions for the thesis

On the Procoagulant Effect of Fibrin

Rachana Kumar

1. Fibrin is an active component of the clotting system rather than an inert end product.
   (cf.: Bloombäck. (1996). Thromb Res 83, 1-75)

2. In Glanzmann thrombasthenia's patients, the procoagulant system of the platelet is impaired.
   (cf.: Nomura et al. (1993). Intl J Hematol 58, 203-212)

3. Von Willebrand factor (vWF) is a clotting factor in platelet rich plasma.

4. Although conceived as an inhibitor of platelet aggregation*, c7E3 Fab (the monoclonal antibody directed against GPIIb/IIIa receptors) may also act as an anticoagulant.
   (*The EPIC investigators. (1994). N Engl J Med 330, 956-961)

5. Soluble vWF does not bind to receptor GPIb unless an appropriate "modulator" of the interaction is present*, fibrin can be such a modulator.
   (*Ruggeri. (1993). Thromb Haemost 70, 119-123)

6. Isolation of reaction components may complicate rather than facilitate the interpretation of experimental results of physiological systems.

7. An analogy can be drawn between an n-type extrinsic semiconductor (requiring an energy flux for the electrons to move from valence to conduction band) and a platelet (requiring an appropriate stimulus for transbilayer movement of negatively charged phospholipids).

8. The most important 'Eigen function' in biological research is the "eigen intelligence" of the hand.

IX. The 'Arabic' numerals commonly used around the world originate from India[1]. Arabs translated the original Indian text from Sanskrit into Latin[2].
   ([1]History of Western Philosophy by Bertand Russel)
   ([2]Alogoritmi de Numero Indorum, 12th Century AD)

10. The way in which Basilio obtained Quiteria proves that the art of science in frauds is at least as old as the use of frauds in science.
    (Miguel Cervanta: Don Quixote de la Mancha, 1615)

11. An attempt at keeping cheerful disposition and grace, despite all odds is the finest form of human courage.

Maastricht, 19 June 1997