

Platelets in thrombosis and haemostasis

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PROPOSITIONS
Accompanying the PhD dissertation entitled

Platelets in thrombosis and haemostasis: synergy with thrombin generation

By Li Li

1. GPVI activated platelets initiate thrombin generation, probably via platelet derived FIXa activity. (This dissertation)
2. The disbalanced haemostasis in multiple myeloma patients is a consequence of a disturbed interplay between platelets and coagulation. (This dissertation)
3. In COPD patients, measuring platelet monocyte complexes can help to predict acute exacerbation and/or cardiovascular events. (This dissertation)
4. The WB-PACT is useful for monitoring the efficacy of antiplatelet drugs and recognizing platelet function defects, with the advantage of less handling steps and suitability for low platelet count samples. (This dissertation)
5. Exploration of the interplay between platelets and coagulation may reveal new targets/strategies for thrombosis prevention or treatment. (This dissertation-impact paragraph)
6. Thrombin is a key enzyme in the maintenance of normal hemostatic function and is the central product of an interconnected set of simultaneously occurring cellular and proteolytic events that maintain the integrity of blood circulation. (Claude Negrier et al, *Blood reviews* 2019)
7. Thrombosis is not haemostasis gone bad. (*Platelets* 4th edition)
8. The interpretation of platelet phenotype in clinical practice depends on adequate assessment of platelet function in the context of platelet abnormalities.
9. No amount of experimentation can ever prove me right; a single experiment can prove me wrong. (Albert Einstein)

Li Li 24th January 2022