

## The role of fibrinogen variants in cardiovascular diseases and wound healing

- (1) Combined haplotypes of *FGG* and *FGA* are associated with the risk of cardiovascular diseases, but not with fibrinogen levels (this thesis).
- (2) Individual SNPs in *FGG*, *FGA* and *FGB* genes are not associated with risk of cardiovascular diseases, but they are associated with risk when combined as haplotypes (this thesis).
- (3) Elevated fibrinogen  $\gamma'$ /total fibrinogen ratios in patients with various cardiovascular diseases reflect an altered mRNA processing of fibrinogen  $\gamma'$  during the acute phase of diseases (this thesis).
- (4) The  $\gamma'A$  and  $\gamma'$  fibrin matrices have different structural and functional characteristics, and alter the *in vitro* tube formation and fibrinolytic activity of endothelial cells (this thesis).
- (5) Fibrinogen elastase degradation products may contribute to stroke pathogenesis (this thesis).
- (6) Health professionals should use DNA information to give customized advice, tailored to an individual person's unique genetic make-up (NIH, 2011).
- (7) Not only large, but also small cohorts are of interest for genetic association studies (Nature Rev. Genet. 2010,11:241-246).
- (8) New wound care techniques should still not be used before conservative and time-honored methods of wound care are attempted (NEJM 1999, 341:738-746).
- (9) Without animal research and testing, there would be no new drugs (European Federation of Pharmaceutical Industries and Associations, 2011).
- (10) Fibrinogen  $\gamma$  chain plays an important role in wound healing because it serves as a depot for fibroblast growth factor-2 (Curr Opin Hematol 2004, 11:151-155).
- (11) Life is like riding a bicycle. To keep your balance you must keep moving (Albert Einstein, 1879 -1955).