

Haematologica  
HAEMATOL/2019/227033  
Version 3

Ile73Asn mutation in protein C introduces a new N-linked glycosylation site on the first EGF-domain of protein C and causes thrombosis

Yeling Lu, Padmaja Mehta-D'souza, Indranil Biswas, Bruno O. Villoutreix, Xuefeng Wang, Qiulan Ding, and Alireza R. Rezaie

Disclosures: 1. Institutional Fund from Oklahoma Medical Research Foundation and Grants from National Heart, Lung, and Blood Institute of the National Institutes of Health HL101917 and HL062565 to ARR. The General Program of National Natural Science Foundation of China (81570114) to QD and (81870107) to YL. 2. N/A 3. N/A

Contributions: Y.L. and P.M.D. designed experiments and performed research; I.B, analyzed the antiinflammatory activity of APC derivatives; B.O.V. performed molecular modeling; X.W. and Q.D. designed experiments, supervised studies conducted in Ruijin Hospital for genetic analysis and coagulation assays with the subjects' plasma; and A.R.R. designed experiments, analyzed data, wrote the manuscript and supervised the project.