

Haematologica  
HAEMATOL/2018/214460  
Version 4

Mechanisms of increased mitochondria-dependent necrosis in  
Wiskott-Aldrich syndrome platelets

Sergei I. Obydennyi, Elena O. Artemenko, Anastasia N. Sveshnikova,  
Anastasia A. Ignatova, Tatiana V. Varlamova, Stepan Gambaryan,  
Galina Y. Lomakina, Natalia N. Ugarova, Igor I. Kireev, Fazoil I.  
Ataullakhanov, Galina A. Novichkova, Aleksey A. Maschan, Anna  
Shcherbina, and Mikhail Panteleev

Disclosures: We thank Prof. A.V. Mazurov and Prof. R.W. Farndale for their kind gifts of monafram and CRP. The project was supported by a grant from the endowment foundation "Doctors, Innovations, Science for Children", by the Russian Foundation for Basic Research grants 17-00-00141 (17-00-00138/17-00-00139/17-00-00140), 17-04-01309 and 18-34-20026. Electron microscopy was supported by the Russian Science Foundation grant 17-15-01290.

Contributions: S.I.O. performed fluorescence and electron microscopy experiments, and analyzed the data. E.O.A. and A.A.I. performed flow cytometry experiments. A.N.S. developed the computational model and performed simulations. T.V.V. performed genetic analysis. S.G. analyzed the data and edited the paper. G.Y.L. and N.N.U. designed and performed metabolic experiments. I.I.K. designed electron microscopy experiments and analyzed the data. F.I.A. designed experiments and analyzed the data. G.A.N. and A.A.M. suggested the idea of the study and analyzed the data. A.S. planned the study, recruited and characterized patients, and analyzed the data. M.A.P. planned the study and wrote the paper with contributions from all authors.