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**BASTION – FROM BASIC TO
TRANSLATIONAL RESEARCH
IN ONCOLOGY**

**Report on the visit of Piotr Religa in the Department of Internal Medicine,
Warsaw Medical University
within 7PR21/BASTION/WP1 (Twinning)**



From February 7th 2015 till April 7th 2015 Dr Piotr Religa visited the Department of Internal Medicine, Hypertension and Vascular Diseases, MUW. During his stay in Warsaw, as previously, DrReliga conducted research in the field of experimental medicine together with a research team led by Prof. ZbigniewGaciong and DrGrzegorzPlacha. DrReliga's visit was

aimed at finalizing their collaborative research in the field of circulating tumor cells (CTCs) in the diagnostics of cancer, especially in patients with idiopathic thromboembolism (IT). Together with Prof. Gaciong team he developed cancer screening techniques in IT patients based on real time PCR. Briefly, they performed observational cohort study among 110 patients with idiopathic lung thromboembolism using estimation in blood of CTCs and markers measured by RT-PCR. As results, 17 patients had increase CTCs indicating cancer. 14 (12.7%) patients among them was diagnosed with cancer after lung surgery. The patients were followed for 2 years. Eventually, 2 patients developed cancer, 1 (50%) with originally increased CTCs count. 9 patients had increased CTCs count however were not diagnosed cancer in the following 2 years. In conclusion, application of CTC for cancer screening requires additional studies.