



HemoSonics Publications

Clinical Studies

Ferrante EA, Blasier KR, Givens TB, Lloyd CA, Fischer TJ, Viola F. A novel device for the evaluation of hemostatic function in critical care settings. *Anesth Analg.* 2016; 123:1372-9.

Huffmyer JL, Fernandez LG, Haghighian C, Terkawi AS, Groves DS. Comparison of SEER Sonorheometry with Rotation Thromboelastometry and laboratory parameters in cardiac surgery. *Anesth Analg.* 2016; 123:1390-9.

S Naik BI, Durieux ME, Knisely A, Sharma J, Bui-Huynh VC, Yalamuru B, Terkawi AS, Nemergut EC. SEER Sonorheometry versus Rotational Thromboelastometry in large volume blood loss spine surgery. *Anesth Analg.* 2016; 123:1380-9.

Reynolds PS, Middleton P, McCarthy H, Spiess B. A comparison of a new ultrasound-based whole blood viscoelastic test (SEER Sonorheometry) versus Thromboelastography (TEG) in cardiac surgery. *Anesth Analg.* 2016; 123:1400-7.

Viola F, Lin-Schmidt X, Bhamidipati C, Haverstick DM, Walker WF, Ailawadi G, Lawrence MB. Sonorheometry assessment of platelet function in cardiopulmonary bypass patients: Correlation of blood clot stiffness with platelet integrin activity, aspirin usage, and transfusion risk. *Thrombosis Research.* 2016; 138:96-102.

Sonorheometry

Corey FS, Walker WF. Sonic estimation of elasticity via resonance: A new method of assessing hemostasis. *Annals of Biomedical Engineering.* 2015; 44:1405-24.

Mauldin FW, Viola F, Hamer TC, Ahmed EM, Crawford SB, Haverstick DM, Lawrence MB, Walker WF. Adaptive force sonorheometry for assessment of whole blood coagulation. *Clinica Chimica Acta.* 2010; 411:638-644.

Viola F, Mauldin FW, Lin-Schmidt X, Haverstick DM, Lawrence MB, Walker WF. A novel ultrasound-based method to evaluate hemostatic function of whole blood. *Clinica Chimica Acta.* 2010; 411:106-113.

Mauldin WF, Viola F, Walker WF. Complex principal components for robust motion estimation. *IEEE Trans Ultrason Ferroelec Freq Control.* 2010;57(11):2437-2449.

Viola F, Kramer MD, Lawrence MB, Oberhauser JP, Walker WF. Sonorheometry: a noncontact method for the dynamic assessment of thrombosis. *Ann Biomed Eng.* 2004;32(5):696-705.

Presentations

Davis JPE, Intagliata NM, Shah NL, Caldwell SH and Northup, PG. In vitro monitoring of anticoagulation and coagulation profiles of cirrhotic patients with and without portal venous thrombosis: early results. Presented at Coagulation in Liver Diseases, Rome, Italy. October 6-7. 2017.



Viola F, Winegar DA, Fernandez LG, Groves DS, Huffmyer JL. Comparison of Arterial and Venous Coagulation Parameters Measured with the Quantra™ System in Cardiac Surgery. Presented at the International Society on Thrombosis and Haemostasis Meeting. Berlin, Germany. July 8-13, 2017.

McLoughlin E, Ferrante EA, Viola F, Maitland H. Sonic Estimation of Elasticity via Resonance (SEER) Sonorheometry to Identify Hypercoagulability in Patients with Cancer. Presented at the International Society on Thrombosis and Haemostasis Meeting. Berlin, Germany. July 8-13, 2017.

Viola F, Lloyd C, Higgins T, Homyk A, Bryant D, Givens T, Braun P. The Quantra Surgical Cartridge: A Novel Assay for the Rapid Assessment of Coagulation Function from Whole Blood. Presented at the International Society on Thrombosis and Haemostasis Meeting. Berlin, Germany. July 8-13, 2017.

Braun P, Wang C, Sekaran V, Koren M, Lloyd C, Viola F. Performance Evaluation of the Quantra™ Surgical Cartridge for Rapid Point-of-Care (POC) Assessment of Coagulation Function. Presented at the International Society on Thrombosis and Haemostasis Meeting. Berlin, Germany. July 8-13, 2017.

Viola F, Winegar DA, Fernandez LG, Huffmyer JL, Groves DS. Comparison of Quantra™ vs ROTEM Delta and Routine Coagulation Tests in Cardiac Surgery. Presented at Euroanesthesia. Geneva, Switzerland. June 3-5, 2017.

Naik B, Durieux M, Nemergut E. Predicting Cryoprecipitate and Platelet Transfusion During Major Spine Surgery with SEER Sonorheometry versus Rotational Thromboelastometry. Presented at Postgraduate Assembly in Anesthesiology. New York, New York. December 9-13, 2016.

Huffmyer J, Fernandez LG, Haghghian C, Terkawi AS, Groves DS. Comparison of SEER Sonorheometry with Rotational Thromboelastometry and laboratory parameters in cardiac surgery. Presented at the International Anesthesia Research Society IARS 2016 Annual Meeting San Francisco, California May 21-24, 2016.

Naik B, Durieux M, Sharma J, Yalamuru B, Bui-Huynh V, Nemergut E. SEER Sonorheometry versus Rotational Thromboelastometry in large volume blood loss spine surgery. Presented at the International Anesthesia Research Society IARS 2016 Annual Meeting San Francisco, California May 21-24, 2016.

Blasier K, Ferrante EA, Terrasi J, Fischer TJ, Viola F. Assessment of a test for functional fibrinogen in whole blood using ultrasound technology compared to Clauss fibrinogen in plasma. Presented at the International Society on Thrombosis and Haemostasis Meeting. Toronto, Canada, June 2-25, 2015.

Ferrante EA, Blasier KR, Fischer T, Viola F. Development and validation of an assay for intrasurgical (or peri-operative) management of bleeding. Presented at the International Society on Thrombosis and Haemostasis Meeting. Toronto, Canada, June 2-25, 2015.

Ferrante EA, Blasier KR, Fischer T, Viola F. Development of A Novel Device to Assess Hemostatic Function from Whole Blood American Association for Clinical Chemistry Meeting. Atlanta, Georgia, July 26-30, 2015.

Walker WF, Corey FS. Sonic Estimation of Elasticity via Resonance (SEER). Presented at Ultrasonics Symposium (IUS), IEEE International. Taipei, Taiwan October 21-24, 2015.