

Supplementary material: Table for results of different kernels, Experiment 1.

Table S1. Results for Experiment 1 for each of the 3 kernels considered in the SVM classifier. The results are expressed as mean \pm standard deviation, summarizing the 10 repetitions performed per kernel.

Approach	Kernel	Sens	Spec	PPV	ROC AUC	PR AUC	κ
Proposed	Linear	0.74 ± 0.02	0.92 ± 0.01	0.84 ± 0.02	0.92 ± 0.01	0.86 ± 0.02	0.69 ± 0.02
	Polynomial	0.70 ± 0.09	0.92 ± 0.01	0.84 ± 0.03	0.91 ± 0.03	0.85 ± 0.04	0.67 ± 0.06
	RBF	0.73 ± 0.02	0.92 ± 0.01	0.84 ± 0.02	0.92 ± 0.01	0.87 ± 0.02	0.69 ± 0.02
Reference	Linear	0.67 ± 0.03	0.89 ± 0.02	0.78 ± 0.02	0.88 ± 0.01	0.82 ± 0.02	0.62 ± 0.02
	Polynomial	0.67 ± 0.07	0.90 ± 0.02	0.80 ± 0.02	0.89 ± 0.02	0.83 ± 0.02	0.62 ± 0.04
	RBF	0.69 ± 0.04	0.90 ± 0.02	0.81 ± 0.02	0.88 ± 0.01	0.83 ± 0.02	0.63 ± 0.02

Supplementary material: EU-CERT-ICD Study Investigators

Department of Cardiology, Semmelweis University Heart Center, Budapest/Hungary: Béla Merkely MD, Peter Perge MD, Zoltan Sallo MD, Gabor Szeplaki MD, Nandor Szegedi MD, and Klaudia Vivien Nagy MD; Department of Cardiology and Pneumology, Heart Center, University Medical Center, Göttingen, Germany: Markus Zabel MD, Lars Lüthje MD, Simon Schlögl MD, Rajeeva Sriharan MSc, Helge Haarmann MD, Leonard Bergau MD, Joachim Seegers MD, Gerd Hasenfuß MD, Pascal Munoz-Exposito MD, Tobias Tichelbäcker MD, and Aleksandra Kirova MD; DZHK (German Center for Cardiovascular Research), partner site Göttingen, Göttingen, Germany: Gerd Hasenfuß MD, Tim Friede MD, Markus Zabel MD, and Simon Schlögl MD; Department of Medical Statistics, University Medical Center Göttingen, Göttingen, Germany: Tim Friede PhD and Markus Harden, PhD; National Heart and Lung Institute, Imperial College, London, United Kingdom: Marek Malik MD, and Katerina Hnatkova PhD; Department of Medical Physiology, University Medical Center Utrecht: Marc A. Vos PhD; Institute for Social Medicine, Epidemiology and Health Economics, Charité Universitätsmedizin Berlin, Berlin, Germany: Stefan N. Willich MD and Thomas Reinhold PhD; University Hospitals of Leuven, Leuven, Belgium: Rik Willems MD and Bert Vandenberk MD; Magdalena Klinika, Department of Cardiology, Krapinske Toplice, Croatia: Janko Szavits-Nossan MD and L. Rotkvić MD; Attikon University Hospital, 2nd Department of Cardiology, Athens, Greece: Panayota Flevari MD, Andreas Katsimardos MD, and Dimitrios Katsaras MD; Slovak Medical University NUSCH, Bratislava, Slovakia: Robert Hatala MD and Martin Svetlosak MD; Medical University of Lodz (MUL) WAM Hospital, Department of Cardiology, Lodz, Poland: Andrzej Lubinski MD and Tomasz Kuczejko MD; Gentofte Hospital, Copenhagen, Denmark: Jim Hansen MD; University Hospital, Department of Cardiology, Basel, Switzerland: Christian Sticherling MD and David Conen MD; KBC Sestre Milosrdnice, Department of Cardiology, Zagreb, Croatia: Nikola Pavlović MD, Šime Manola MD, Ozren Vinter MD, and Ivica Benko RN; University Medical Center Utrecht, Department of Cardiology/Physiology: Anton Tuinenburg, MD, David Sprenkeler, MD, Agnieszka Smoczynska, MD, and Marc A. Vos PhD; University Hospital Tübingen, Department of Cardiology: Axel Bauer MD, Christine Meyer-Zürn MD, and Christian Eick MD; Rigshospitalet, The Heart Centre, Department of Cardiology, Copenhagen University Hospital, and Department of Clinical Medicine, University of Copenhagen, Copenhagen, Denmark: Jesper Hastrup Svendsen MD; IDIBAPS, Department of Cardiology, Hospital Clinic Barcelona, Spain: Josep Brugada MD and Elena Arbelo MD; SUSSCH, Department of Cardiology, Banska Bystrica, Slovakia: Gabriela Kaliska MD and Jozef Martinek PhD; Technische Universität München, Med. Klinik und Poliklinik I, Klinikum rechts der Isar, Munich, Germany: Georg Schmidt MD, Michael Dommasch MD, and Alexander Steger MD; Klinikum Großhadern, Department of Cardiology, Ludwig-Maximilians-Universität Munich, Germany: Stefan Kääh MD, Axel Bauer MD, Moritz F. Sinner MD, Konstantinos D Rizas MD, and Wolfgang Hamm MD; Acibadem City Clinic Tokuda Hospital, Department of Cardiology: Vassil Traykov MD; Medical University of Lodz (MUL), CKD Hospital, Department of Cardiology, Lodz, Poland: Iwona Cygankiewicz MD, Pawel Ptaszyński MD, K. Kaczmarek MD, and I. Poddebska MD; St. Ekaterina University Hospital, Department of Cardiology, Sofia, Bulgaria: Svetoslav Iovlev MD; University Hospital Brno, Department of Internal Medicine and Cardiology, Brno, Czech Republic: Tomáš Novotný MD and Milan Kozak MD; Oulu University Hospital and University of Oulu, Medical Research Center, Finland: Heikki Huikuri MD, Tuomas Kenttä MD, and Ari Pelli MSc; Bieganski Hospital, Chair and Department of Cardiology, Medical University of Lodz (MUL), Lodz, Poland: Jaroslaw D. Kasprzak MD and Dariusz Qavov MD; KBC Rijeka, Department of cardiovascular disease, Rijeka, Croatia: Sandro Brusich MD, Ervin Avdovic MD, and Marina Klasan RN; University Hospital, Department of Cardiology, Olomouc, Czech Republic: Jan Galuszka MD, and Milos Taborsky MD; St. Anna Hospital, Department of Cardiology, Sofia, Bulgaria: Vasil Velchev MD; Klinikum Reinkenheide Bremerhaven, Department of Cardiology, Germany: Rüdiger Dissmann MD; National Heart Hospital, Department of Cardiology, Sofia, Bulgaria: Tchavdar Shalghanov MD; Poznan Medical University, HSUH Hospital Department of Cardiology, Poznan, Poland: P. Guzik, T. Krauze; Marienkrankenhaus Bonn, Department of Cardiology, Germany: Dieter Bimmel MD and Christiane Lieberz RN; Klinikum Ludwigsburg, Department of Cardiology, Germany: Stefan Stefanow MD, Norman Rüb MD, and Christian Wolpert MD; University Hospital Regensburg, Department of Cardiology, Germany: Joachim Seegers MD and Lars S. Meier MD; Vivantes Humboldt Klinikum Berlin, Department of Cardiology: Steffen Behrens MD; KBC Split, Department of Cardiology, Croatia: Zrinka Jurisic; Karolinska Institutet, Department of Cardiology, Stockholm, Sweden: Frieder Braunschweig MD; Charité Campus Virchow Klinikum, Department of Cardiology, Berlin, Germany: Florian Blaschke MD and Burkert Pieske MD; General Hospital Zadar, Croatia: Zoran Bakotic MD and Ante Anic MD; Klinikum Weiden, Department of Cardiology, Germany: Robert H.G. Schwinger MD; Lund University Hospital, Department of Cardiology, Lund, Sweden: Pyotr Platonov MD.