

Supplemental Material

Table S1. Demographic and clinical characteristics between patients in the study population and those excluded from analysis*

Characteristic	Study population (N=10706)	Patients excluded (N=10399)	Standardized Difference (%)
Age, years, (mean ± SD)	70.6 ± 9.5	70.6 ± 9.3	0.8
Male	61.4	62.4	2.0
Previous use of vitamin K antagonist	59.1	58.8	0.5
[Diabetes mellitus	36.7	35.5	2.4
Dyslipidemia	55.1	49.6	11.1
Hypertension	94.9	92.3	10.8
Prior MI	11.6	11.5	0.3
Prior Stroke	18.3	19.0	1.9
Prior transient ischemic attack	12.4	10.9	4.7
Prior PAD	4.3	3.7	3.2
Congestive heart failure	59.5	55.4	8.2
Prior CAD	34.1	32.5	3.4
Prior CABG	8.0	5.8	8.6
History of ICH bleed	0.1	0.2	1.6
History of non-ICH bleed	9.9	9.8	0.2
History of gastrointestinal bleed	3.2	2.8	8.1
Creatinine clearance in mg/dL, (mean ± SD)	78.6 ± 32.4	74.9 ± 30.4	11.8
CHADS2 score (0-6) , (mean ± SD)	2.9 ± 1.0	2.8 ± 0.9	10.2

**All results are % of patients unless otherwise specified.*

GI indicates gastrointestinal; CRNM, clinically relevant non-major, SD, standard deviation; PAD, peripheral arterial disease; CAD, coronary artery disease; CABG, coronary artery bypass graft; ICH intracranial hemorrhage, CHADS2, scoring system for the long-term risk of stroke in atrial fibrillation, acronym stands for Congestive heart failure, Hypertension, Age>75, Diabetes mellitus, and prior Stroke

Table S2. Quality of life compliance by bleeding status

Time (month)	Major GI bleeding			Major non-GI bleeding			CRNM bleeding			Minor bleeding		
	Event (N=207)	No event* (N=9801)	p-value	Event (N=152)	No event* (N=9836)	p-value	Event (N=1419)	No event* (N=8874)	p-value	Event (N=714)	No event* (N=9418)	p-value
3	100.0	100.0	1.000	100.0	100.0	1.000	100.0	100.0	1.000	100.0	100.0	1.000
6	86.5	93.9	< 0.001	93.4	93.8	0.811	94.3	93.4	0.192	95.4	93.7	0.069
9	86.8	93.4	< 0.001	91.3	93.4	0.311	94.7	93.0	0.020	93.9	93.3	0.481
12	89.7	93.8	0.015	93.2	93.8	0.748	93.8	93.6	0.743	94.5	93.7	0.405
15	90.6	93.8	0.059	95.2	93.8	0.498	94.8	93.5	0.071	93.3	93.8	0.607
18	90.9	94.2	0.051	95.1	94.2	0.634	93.7	94.1	0.559	93.7	94.2	0.608
21	90.8	94.1	0.054	91.5	94.1	0.190	94.2	94.0	0.713	93.9	94.0	0.941
24	89.7	94.4	0.005	90.8	94.4	0.065	94.7	94.1	0.381	93.3	94.3	0.278
27	92.6	94.8	0.195	95.0	94.8	0.910	93.9	94.8	0.188	94.3	94.7	0.622
30	89.7	94.6	0.008	94.7	94.6	0.941	94.4	94.5	0.884	94.7	94.5	0.897
33	87.3	95.4	< 0.001	95.2	95.3	0.797	94.7	95.4	0.436	95.5	95.3	0.838
36	90.5	96.0	0.030	95.6	96.0	0.700	94.7	96.1	0.163	96.7	95.9	0.540
39	85.7	95.5	0.022	100.0	95.3	1.000	94.3	95.7	0.345	96.6	95.2	0.453
42	88.2	93.4	0.321	100.0	93.5	1.000	93.8	93.6	0.937	93.1	93.7	0.776
45	100.0	94.3	1.000	100.0	94.5	1.000	93.9	94.0	1.000	95.0	94.7	1.000
48	100.0	84.6	1.000		85.7	NA	100.0	80.0	0.523	100.0	84.6	1.000

* the sample sizes for the “no event” categories differ according to the category of bleed due to censoring at the time of events. All results are % of patients.

GI indicates gastrointestinal, CRNM, clinically relevant non-major

Appendix

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China- 469 patients 33 centers

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1st Affiliated Hospital of Harbin Medical University, Harbin; ZQ Li, Y Liu, People's Hospital of Liaoning Province, Shenyang; DN Liao, XJ Gu, Changzheng Hospital, The Second Military Medical University, Shanghai; L Liu, ZH Lu, The People's Hospital of Guangxi Zhuang Autonomous Region, Nanning; SM Ma, ZY Yang, Shengjing Hospital of China Medical University, Shenyang; DM Wang, SY Qi, Bethune International Peace Hospital, Shijiazhuang; GP Wang, XJ Shi, The First Hospital Affiliated to Liaoning Medical College, Jinzhou; M Wei, D Huang, Shanghai No.6 People's Hospital, Shanghai; SL Wu, YE Li, Guangdong Provincial People's Hospital, Guangzhou; JH Xu, JY Gu, Tong Ji Hospital of Tongji University, Shanghai; YM Xu, YZ Liang, The 2nd Hospital of Tianjin Medical University, Tianjin; K Yang, AY Li, The Third Xiangya Hospital of Central South University, Changsha; **YJ Yang**, X Zheng, Cardiovascular Institute & Fuwai Hospital Chinese Academy of Medical Sciences, Beijing; Y Zheng, M Gao, The First Hospital of Jilin University, Changchun; YH Yin, YP Xu, The Second Affiliated Hospital of Chongqing Medical University, Chongqing; B Yu, LL Li, The 2nd Affiliated Hospital of Harbin Medical University, Harbin; ZY Yuan, H Qiang, The 1st Hospital Affiliated to Xi'an Medical University, Xian; HQ Zhang, YN Lin, The 1st Affiliated Hospital of Wenzhou Medical College, Wenzhou; Z Zhang, H Kang, The 1st Hospital Affiliated to Lanzhou University, Lanzhou; RP Zhao, RJ Han, Baotou Central Hospital, Baotou; XL Zhao, JQ Wang, Beijing Tong Ren Hospital Affiliated to Capital Medical University, Beijing; ZQ Zheng, BG Li, The First Affiliated Hospital of NanChang University, Nanchang; SX Zhou, YL Zhang, The Second Affiliated Hospital of Zhongshan University, Guangzhou.

Colombia- 141 patients 11 centers

J Accini, M Accini, Consultorio Privado-Jose Luis Accini, Baranquilla; N Cano, L León Pineda, Hospital Santa Sofia, Manizales; J Delgado Restrepo, C Arroyave, Instituto Corbic, Medellín; R Fernández Ruiz, I Aldana Diaz, Clinica Cardiovascular Santa Maria, Medellín; H Hernandez, P Delgado, Instituto Corazon de Bucaramanga, Bucaramanga; C Jaramillo Muñoz, A Builes, Promotora Medica Las Americas SA, Medellín; F Manzur, E Rivera Rodriguez, Centro de diagnostico cardiologico Ltda, Cartagena; M Moncada Corredor, D Lopez Giraldo, Fundacion Centro de Investigacion Clinica CIC, Medellín; L Orozco Linares, J Fonseca, Foqus LTDA, Bogotá Cundinamarca; A Quintero, C Gonzales, Fundación del Caribe para la Investigación Biomédica, Barranquilla; G Sanchez Vallejo, I Perdomo Mejia, Centro de Estudios Clinicos del Quindio, Armenia.

Croatia- 127 patients 11 centers

J Bagatin, V Carevic, Clinical Hospital Centre Split, Split; S Car, M Jeric, General Hospital Varazdin, Varazdin; N Ciglenecki, S Tusek, Special Hospital for Medical Rehabilitation, Krapinske Toplice; J Ferri Certic, I Romic, General Hospital Dubrovnik, Dubrovnik; I Francetic, K Makar Ausperger, University Hospital Center Zagreb, Zagreb; V Jelic, S Jaksic Jurinjak, General Hospital Karlovac, Karlovac; A Knezevic, B Buksa, General Hospital Zadar, Zadar; P Samardzic, K Cvitkusic Lukenda, General Hospital Dr. J. Bencevic, Slavonski Brod; R Steiner, D Kirner, Clinical Hospital Osijek, Osijek; K Sutalo, Z Bakliza, General Hospital Dr. Tomislav Bardek, Koprivnica; H Vrazic, **M Bergovec**, T Lucijanac, University Hospital Dubrava, Zagreb.

Czech Republic- 1173 patients 39 centers

M Bar, P Brodova, Neurologicka ambulance Bormed, Ostrava- Trebovice; L Berka, V Kunkelova, Ordinace pro choroby srdce a cev, Jindrichuv Hradec; M Brtko, M Brtko, Fakultni nemocnice Hradec Kralove, Hradec Kralove; H Burianova, H Burianova, Poliklinika Humanitas, Bilovec; O Cermak, O Cermak, Nemocnice Slany, Slany; L Elbl, L Elbl, Kardiologicka

ordinace, Brno- Lesna; R Ferkl, R Ferkl, Interni ambulance, Trutnov; J Florian, J Florian, Nemocnice Cesky Krumlov, Cesky Krumlov; L Francek, L Francek, Kromerizska nemocnice a.s., Kromeriz; L Golan, L Golan, Kardiologie, Revnice; P Gregor, P Gregor, Fakultni nemocnice Kralovske Vinohrady, Praha; M Honkova, M Honkova, Kardiologicka a interni ambulance, Praha 1; J Hubac, J Hubac, Interni ambulance, Chrudim; J Jandik, J Jandik, Oblastni nemocnice Nachod, Nachod; P Jarkovsky, P Jarkovsky, Ustredni vojenska nemocnice Praha, Praha 6; Z Jelinek, Z Jelinek, Nemocnice Hranice a.s., Hranice; O Jerabek, O Jerabek, Poliklinika RAVAK, Pribram 8; R Jirmar, R Jirmar, Poliklinika Malešice, Praha 10; R Kobza, R Kobza, Mediscan s.r.o., Praha 11; M Kochrt, G Kostkova, Interni ordinace, Teplice; Z Kosek, Z Kosek, Kardiologicka ambulance, Mlada Boleslav; P Kovar, P Kovar, Poliklinika Modrany, Praha 4; R Kuchar, R Kuchar, INNEra s.r.o., Benesov; J Kvasnicka, J Kvasnicka, Kardiologicka ambulance, Praha 10; O Ludka, O Ludka PhD., Privatni interni ambulance, Brno; V Machova, E Krocova, InterKardiML s.r.o., Marianske Lazne; M Melichar, M Melichar, Interni ambulance, Pardubice; R Nechanicky, R Nechanicky, Nemocnice s poliklinikou Semily, Semily; J Olsr, J Olsr, General practitioner s.r.o., Ostrava; K Peterka, K Peterka, Nemocnice Havlickuv Brod p.o., Havlickuv Brod; I Petrova, I Havlova, Kardiologicka ambulance, Usti nad Labem; J Pisova, J Pisova, Kardiologicka ambulance, Hradec Kralove; P Podrazil, E Jirsova, Interni ambulance, Praha 6; P Reichert, P Reichert, Krajska zdravotni a.s.Nemocnice Teplice p.o., Teplice; J Slaby, J Slaby, Oblastni nemocnice Kolin, Kolin; R Spacek, R Spacek, Nemocnice Na Frantisku, Praha 1; **J Spinar**, R Labrova, FN Brno- Bohunice, Brno; P Vodnansky, D Samkova, Kardiologicka ordinace, Pardubice; E Zidkova, E Zidkova, Ordinace interniho lekarstvi, Praha 5.

Denmark- 219 patients 11 centers

K Dodt, Horsens Sygehus, Horsens; H Christensen, L Christensen, Bispebjerg Hospital, København NV; C Hassager, A Loof, Rigshospitalet, København Ø; H Ibsen, H Madsen, Holbæk Sygehus, Holbæk; H Iversen, T Veng-Olsen, Glostrup Hospital, Glostrup; H Nielsen, R Olsen, Bispebjerg Hospital, København NV; K Overgaard, V Petrovic, Herlev Hospital, Herlev; I Raymond, D Raae, Frederiksberg Hospital, Fredriksberg; N Sand, A Svenningsen, Sydvestjysk Sygehus Esbjerg, Esbjerg; C Torp-Pedersen, U Jakobsen, Gentofte Hospital, Hellerup; H Wiggers, K Serup-Hansen, Skejby Sygehus- Aarhus University Hospital, Aarhus N.

Estonia- 191 patients 6 centers

J Kaik, A Stern, Fertilitas AS, Haabneeme; R Kolk, R Kolk, Tartu University Hospital, Tartu; E Laane, L Rivis, Orthopaedic and Clinical Research Center, Tartu; M Paumets, **J Voitk**, M Laheäär, North Estonia Medical Centre Foundation, Tallinn; A Rosenthal, R Rajasalu, Tallinn; V Vahula, E Ratnik, Pärnu Hospital, Pärnu.

Finland- 42 patients 7 centers

H Huikuri, S Kaarleenkaski, Oulun yliopistollinen sairaala, Oulu; E Hussi, S Valpas, Etelä-Karjalan keskussairaala, Lappeenranta; P Jäkälä, T Lappalainen, Itä-Suomen yliopisto Kuopion kampus Kliininen tutkimuskesk, Kuopio; A Mäenpää, J Viitaniemi, Seinäjoen keskussairaala, Seinäjoki; K Nyman, T Sankari, Keski-Suomen keskussairaala, Jyväskylä; H Rasi, O Salminen, Terveystalo Tampere, Tampere; V Virtanen, H Nappila, Finn-Medi 1, Tampere.

France- 110 patients 14 centers

J Le Heuzey, Hôpital Européen Georges Pompidou, Paris, 75; B Agraou, F El Jarroudi, Centre Hospitalier Général, Valenciennes, 59; P Amarenco, P Boursin, Hopital Bichat, Paris, 75; D Babuty, M Boyer, Hopital Trousseau, Tours Cedex, 37; A Belhassane, F El Jarroudi, Centre

Hospitalier de Cambrai, Cambrai, 59; H Berbari, H Berbari, Hopital d'Instruction des Armees Percy, Clamart Cedex, 92; **J Blanc**, P Dias, Chu de Brest- Hôpital de la Cavale Blanche, Brest Cedex, 29; D Coisne, N Berger, Chu Poitiers- Hôpital de la Milètrie, Poitiers, 86; E Decoulx, M El Jarroudi, CH Chatiliez Tourcoing, Tourcoing, 59; S Dinanian, M Arfaoui, Hopital Antoine Beclere, Clamart, 92; J Hermida, E Deruche, Centre Hospitalier Sud, Amiens, 80; S Kacet, S Corbut, Hospital Cardiologique Chru Lille, Lille Cedex, 59; J Poulard, S Leparree, Centre Hospitalier d'Abbeville, Abbeville, 80; R Roudaut, C Duprat, Hôpital du Haut l'Eveque (Cardiologie), Pessac, 33.

Germany- 913 patients 55 centers

A Al-Zoebi, A Wurow, Kardiologische Praxis, Wermsdorf, SN; P Bernhardt, U Dichristin, Universitaetsklinikum Ulm, Ulm, BW; J Berrouschot, S Vierbeck, Klinikum Altenburger Land, Altenburg, TH; J Beyer-Westendorf, B Sehr, Universitaetsklinikum Dresden, Dresden, SN; M Bouzo, P Schnelzer, Muenchen, BY; R Braun, K Ladenburger, Unterschneidheim, BW; M Buhr, D Weihrauch, Kardiologische Praxen im Spreebogen, Berlin, BE; C Contzen, M Kara, Synexus ClinPharm International GmbH, Frankfurt, HE; W Daut, D Ayasse, Kallstadt, RP; E Degtyareva, P Kranz, Synexus ClinPharm International GmbH, Leipzig, SN; T Drescher, B Herfurth, Gemeinschaftspraxis, Stuhr, HB; M Faghieh, M Faghieh, Hausarztzentrum, Essen, NW; K Forck-Boedeker, K Schneider, pro scientia med, Luebeck, SH; R Fuchs, W Manuela, Orgamed System Fuchs & Partner KG, Giengen, BW; C Grigat, A Otto, Clinical Research Hamburg GmbH, Hamburg, HH; A Hartmann, M Peitz, Klinikum St. Georg Leipzig, Leipzig, SN; H Heuer, U Dieckheuer, St. Johannes Hospital- PS, Dortmund, NW; U Hoffmann, S Dorn, Universitaetsklinikum Mannheim, Mannheim, BW; S Hoffmann, M Schuppe, Vivantes Klinikum im Friedrichshain, Berlin, BE; T Horacek, P Fink, Evangelisches Krankenhaus, Witten, NW; J Junggeburth, S Schmid, Bad Woerrishofen, BY; W Jungmair, B Schoen, Kardiologische Praxis, Bad Homburg, HE; U Kleinecke-Pohl, P Meusel, Gemeinschaftspraxis Kleinecke-Pohl Kirsch Benner-Hemsen, Koeln, NW; H Koenig, F Bauch, Synexus Clinical Research GmbH, Berlin, BE; H Koenig, F Bauch, Synexus ClinPharm International GmbH, Potsdam, BR; I Lohrbaecher-Kozak, B Grosse, Synexus Clinical Research GmbH, Dresden, SN; S Lueders, U Venneklaas, St. Josefs-Hospital, Cloppenburg, NI; M Luttermann, M Wulf, Wardenburg, NI; O Maus, K Hoefler, Innomed Leipzig GmbH, Leipzig, SN; G Meissner, U Braemer, Synexus ClinPharm International GmbH, Magdeburg, ST; U Meyer-Pannwitt, E Frahm, Mare Klinikum, Kiel, SH; **V Mitrovic**, S Vogt, Kerckhoff Klinik GmbH, Bad Nauheim, HE; A Muegge, S Barbera, St. Josef-Hospital- PS, Bochum, NW; M Mueller-Glamann, K Raddatz, Gemeinschaftspraxis Drs. Krohn/Mueller-Glamann, Hamburg, HH; R Piechatzek, D Lewinsky, Synexus ClinPharm International GmbH, Goerlitz, SN; W Pohl, W Pohl, Gemeinschaftspraxis Dr. Al-Nakkash Dr. W. Pohl Dr. C Pohl, Dresden, SN; N Proskynitopoulos, M Kuhlmann, Gemeinschaftspraxis, Nienburg, NI; K Rack, H Pilipenko, Internistische Praxis, Augsburg, BY; A Rinke, A Kühlenborg, Synexus ClinPharm International GmbH, Bochum, NW; A Schaefer, N Szymanowski, Essen, NW; S Schellong, R Frommhold, Staedtisches Klinikum Dresden-Friedrichstadt, Dresden, SN; I Schenkenberger, T Finsterbusch, K Dreykluft, Klinische Forschung Berlin, Berlin, BE; C Schiewe, C Schiewe, Hamburg, HH; A Schmidt, M Schmidt, Offenbach, HE; A Schreckenberger, J Hellmers, Internistische Praxisgemeinschaft, Weyhe, NI; H Seibert, G Gold, Kassel, HE; H Sohn, M Baylacher, Ludwig-Maximilians-Universitaet, Muenchen, BY; S Spitzer, K Bonin, Facharztzentrum Dresden-Neustadt GBR, Dresden-Neustadt, SN; R Stoehring, R Stoehring, Kardiologische Praxis, Bad Homburg, HE; J Taggeselle, C Zarpentin, Markkleeberg, SN; R Veltkamp, I Ludwig, Universitaetsklinikum Heidelberg, Heidelberg, BW; Voehringer, M Buchholz, DRK Kliniken

Berlin Westend, Berlin, BE; K Weyland, Ingelheim, RP; B Winkelmann, B Buelow-Johansen, ClinPhenomics GmbH & Co. KG, Frankfurt, HE; C Wolde, K Winter, Heidelberg, BW.

Greece- 51 patients 7 centers

D Alexopoulos, E Mavronasiou, Patras University Hospital, Patra; P Bourlios, A Tziortziotis, General Prefectural Hospital of Trikala, Trikala; C Karamitsos, E Exarchou, General Hospital of Larissa, Larissa; K Kifnidis, A Daskalaki, General Hospital of Athens Asklipio Voulas, Athens; N Moschos, K Dimitra, General Hospital of Rhodes, Rhodes; C Olympios, E Kartsagkoulis, General Hospital of Elefsina Attikis Thriasio, Athens; V Pyrgakis, K Korantanis, General Hospital of Athens G. Gennimatas, Athens.

Guatemala- 136 patients 7 centers

O Ayau Milla, V de Leon Ramirez, Zacapa; I Guzman Melgar, T Jimenez, Edificio Plaza Dorada, Guatemala City; A Ovando Lavagnino, S Guevara, Liga del Corazon, Guatemala City; M Rodas Estrada, T Jimenez, Clinica Privada Dr. Rodas Estrada, Guatemala City; M Sanchez, J Mayen Pozuelos, CardioQuetzal, Quetzaltenango; C Sanchez Samayoa, L Guerra, Clinicas Hospital Centro Medico, Guatemala City; L Velasquez Camas, S Padilla Almaraz, Unicar, Guatemala.

Hungary- 464 patients 21 centers

P Dioszeghy, E Muskoczki, Josa Andras Oktatokorhaz Egeszsegugyi Szolg. Nonprofit Kft., Nyiregyhaza; I Edes, J Szatmari, Debreceni Egyetem Orvos- es Egeszsegtudomanyi Centrum, Debrecen; J Fiok, A Varga, Sopron Medical SMO Erzsebet Korhaz, Sopron; N Kanakaridisz, M Kosztyu, UNO Medical Trials Kft., Budapest; E Kis, J Felfoldine Feil, Tolna Megyei Onkormanyzat Balassa Janos Korhaza, Szekszard; **R Kiss**, A Jakal, Honvedelmi Miniszterium Allami Egeszsegugyi Kozpont, Budapest; M Koczka, M Koczka, Mako; I Kovacs, M Baranyai, Vas Megyei Markusovszky Korhaz Nonprofit Zrt, Szombathely; Z Kovacs, Z Kovacs, Bajai Szent Rokus Korhaz, Baja; G Lupkovics, H Horvathne Karakai, Zala Megyei Korhaz, Zalaegerszeg; A Matoltsy, T Kiss, Kanizsai Dorottya Korhaz, Nagykanizsa; M Medvegy, K Kiss, Pest Megyei Flor Ferenc Korhaz, Kistarcsa; B Merkely, E Kolumban, Semmelweis Egyetem, Budapest; A Nagy, A Nagy, Bacs-Kiskun Megyei Onkormanyzat Korhaza, Kecskemet; A Palinkas, S Rostasne Toth, Erzsebet Korhaz-Rendelointezet, Hodmezovasarhely; A Sayour, A Bognar, Magyar Imre Korhaz, Ajka; T Simor, D Ruzsa, Pecs Tudomanyegyetem Altalanos Orvostudomanyi Kar, Pecs; T Sipos, T Sipos, Rethy Pal Korhaz, Bekescsaba; I Szakal, I Szakal, Selye Janos Korhaz, Komarom; J Tomcsanyi, A Marosi, Budai Irgalmasrendi Korhaz, Budapest; A Vertes, M Kincses, Fov.Onk.Egyesitett Szt. Istvan es Szt Laszlo Korh.-Rend.Int., Budapest.

India- 690 patients 65 centers

S Malhan, Sheth Vadilal Sarabhai Hospital and Municipal Medical Colleg, Ahmedabad, Gujarat; J Abdullakutty, N.H., Lissie Hospital, Cochin, Kerala; D Agarwal, R Ranka, S. P. Medical College & Associated Group of Hospitals, Bikaner, Rajasthan; J Arneja, A Memon, Arneja Heart Institute, Nagpur, Mahara; V Arora, R Shree, Max Devki Devi Heart & Vascular Institute, New Delhi, Delhi; G Avvaru, A Shaikh, Yashoda Hospital, Hyderabad, Andh Prad; P Babu, B Rao, Dr. Ramesh Cardiac and Multi Speciality Hospital Ltd., Vijayawada, Andh Prad; R Babu, J Reddy, Medwin Hospital, Hyderabad, Andh Prad; D Banker, T Sheth, Banker's Heart Institute, Vadodara, Gujarat; P Benjarge, S Surushe, Krishna Hospital & I. C. U., Aurangabad, Mahara; A Bharani, R Solanki, MGM Medical College and MY Hospital, Indore, Madh Prad; V Bhargava,

A Rathi, Care Hospital (Nagpur), Nagpur, Mahara; A Biniwale, M Bhuti, Biniwale Clinic, Pune, Mahara; N Calambur, **B Somaraju**, N Karnwal, Care Hospital, Hyderabad, Andh Prad; M Chopda, N Mali, Chopda Medicare & Research Centre, Nashik, Mahara; N Goyal, A Saini, Speciality Clinic, New Delhi, Delhi; J Gupta, P Singh, S. R. Kalla Memorial General Hospital, Jaipur, Rajasthan; S Hadan, P Savanth, Yenepoya Speciality Hospital, Mangalore, Karna; S Hardas, G Thakor, Ruby Hall Clinic, Pune, Mahara; J Hiremath, A Ghume, Poona Hospital and Research Centre, Pune, Mahara; R Jain, M Pahuja, CHL - Apollo Hospital, Indore, Madh Prad; S Joseph, D Oommen, Little Flower Hospital, Cochin, Kerala; J Joseph, R Thomas, Caritas Hospital, Kottayam, Kerala; H Joshi, Iby, Apollo Hospitals International Ltd., Gandhinagar, Gujarat; V Kale, N Raut, Lokmanya Hospital, Pune, Mahara; B Kandekar, S Kandekar, Nobel Hospital, Ahmednagar, Mahara; R Kishore, H Krishnan, Narayana Hrudayalaya Institute of Medical Sciences, Bangalore, Karna; V Kotiwale, V B, Kles's Dr. Prabhakar Kore Hospital and Med. Res. Centre, Belgaum, Karna; R Kulkarni, M Deokar, Moraya Multispeciality Hospital, Pune, Mahara; G Kulkarni, A Lawande, Shree Hospital, Pune, Mahara; P Kumar, M Karpuram, Osmania General Hospital, Hyderabad, Andh Prad; A Kumar, J Francis, Lakeshore Hospital and Research Centre, Cochin, Kerala; M Kumbla, A Anthony, Omega Hospital, Mangalore, Karna; P Lavhe, M Kale, Avanti Institute of Cardiology, Nagpur, Mahara; H Mardikar, P Bhaskarwar, Spandan Heart Institute, Nagpur, Mahara; A Mathur, P Sharma, Escorts Heart Institute & Research Centre, New Delhi, Delhi; J Menon, V Francis, Mar Augustine Golden Jubilee Hospital, Ernakulam, Kerala; D Namjoshi, S Shelke, Criti Care Hospital, Mumbai, Mahara; J Narendra, P J, S. A. T. Hospital, Shimoga, Karna; S Natarajan, V Francis, G. Kupuswami Naidu Memorial Hospital, Coimbatore, Tamilnadu; A Oomaan, P Gurusamy, Apollo Hospitals, Chennai, Tamilnadu; B P. R., J Angel, Frontier Lifeline & Dr. K.M. Cherian Heart Foundation, Chennai, Tamilnadu; M Padinhare Purayil, S Shams, West Fort Hi-Tech Hospital Ltd., Thrissur, Kerala; U Pandurangi, R Sababathi, Institute of Cardiovascular Diseases Madras Medical Mission, Chennai, Tamilnadu; P Parekh, B Jasani, Care Hospital, Surat, Gujarat; N Patki, A Babbar, Deenanath Mangeshkar Hospital and Research Centre, Pune, Mahara; B Pinto, H Kharalkar, Bandra Holy Family Hospital and Research Center, Mumbai, Mahara; R Premchand, H Jambula, Krishna Institute of Medical Sciences, Hyderabad, Andh Prad; M Rao, A Vuriya, Queen's NRI Hospital, Vishakhapatnam, Andh Prad; A Ravi Shankar, R E R, Mysore Medical College and Research Institute, Mysore, Karna; R Reddy, S Bekal, Mediciti Hospital, Hyderabad, Andh Prad; D Roy, A Barai, Rabindranath Tagore International Institute of Cardiac Scien, Kolkata, W Bengal; D Saha, R Gadepalli, Nizam's Institute of Medical Sciences, Hyderabad, Andh Prad; H Sant, D Jadhav, Medipoint Hospital Pvt Ltd , Pune, Mahara; M Sarna, T Arora, Monilek Hospital and Research Centre, Jaipur, Rajasthan; J Sawhney, R Singh, Dharmavira Heart Centre, New Delhi, Delhi; K Sethi, N Bansal, Delhi Heart and Lung Institute, New Delhi, Delhi; A Sethia, S Sethia, Indore, Madh Prad; G Shetty, R Sudheer, St.John's Medical College and Hospital, Bangalore, Karna; G Singh, R Gupta, Dayanand Medical College and Hospital, Ludhiana, Punjab; A Srinivas, V G, Vikram Hospital & Heart Care, Mysore, Karna; A T.P., L Thankaraj, Sri Gokulam Heart Centre, Trivandrum, Kerala; S Varma, A Kaur, Sadbhavna Medical and Heart Institute, Patiala, Punjab; M Vijan Vinod, B Thakur, Vijan Cardiac Center, Nashik, Mahara; I Zanwar, A Dharmarao, Hardas Heart Centre, Pune, Mahara.

Israel- 283 patients 20 centers

S Atar, E Lasri, Western Galilee Hospital- Nahariya, Nahariya; D Dicker, D Marcovicu, Rabin Medical Center, Petach Tikva; M Elias, G Avraham Ron, HaEmek Medical Center, Afula; a Francis, R Ghantous, Holy Family Hospital, Nazareth; A Goldhaber, M Goldhaber, Shuali Community Clinic- Clalit Health Services, Ra'anana; S Gottlieb, S Rouwaida, Bikur Cholim

Hospital, Jerusalem; E Grossman, T Dagan, Chaim Sheba Medical Center, Tel-Hashomer; Y Hasin, M Roshrosh, Poriya Government Hospital, Tiberias; T Hayek, A Majdoub, Rambam Health Care Campus, Haifa; E Klainman, I Genin, Gefen- Cardiac Center, Givatayim; M Lahav, T Gilat, Rabin Medical Center, Petach Tikva; **B Lewis**, M Ben Ari, The Lady Davis Carmel Medical Center, Haifa; M Lishner, M Karny, Sapir Medical Center Meir Hospital, Kfar Saba; E Ouzan, H Givoni, Hadassah Universtiy Hospital- Ein Kerem, Jerusalem; Y Rozenman, S Logvinenko, Wolfson Medical Center, Holon; E Schiff, J Sterlin, Bnai Zion Medical Center, Haifa; M Shochat, I Aloni, Hillel Yaffe Medical Center, Hadera; M Swissa, V Belatsky, Kaplan Medical Center, Rechovot; D Tsalihin, D Kisos, Ben Yair Community Clinic- Clalit Health Services, Beer-Sheva; D Zeltser, N Platner, Tel-Aviv Sourasky Medical Center, Tel-Aviv.

Italy- 169 patients 24 centers

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Japan- 1010 patients 99 centers

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Mexico- 190 patients 13 centers

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Netherlands- 153 patients 10 centers

M Alhakim, I van Welsen, Flevoresearch, Almere; T Bruning, A Jones, Maasstad Ziekenhuis Zuider, Rotterdam; C Buiks, C Buiks, Huisartsenpraktijk Buiks, Ewijk; J de Groot, I Radder, Academisch Medisch Centrum, Amsterdam; R de Vos, R de Vos, Huisartsenpraktijk de Vos, Dordrecht; R Hazeleger, R Daniels, VieCuri Medisch Centrum Venlo, Venlo; B Kietselaer, L Muijs, Maastricht University Medical Center, Maastricht; H Mannaerts, E Kooiman, Ziekenhuis Amstelland, Amstelveen; H Mevissen, H Mevissen, Huisartsenpraktijk Westerhave, Wildervank; D van der Heijden, H Hofmeyer, Rijnland Ziekenhuis Leiderdorp, Leiderdorp.

New Zealand- 131 patients 10 centers

R Anscombe, T O'Meeghan, M Kjentjes, Hutt Valley Health Hospital, Lower Hutt; J Benatar, **H White**, L Borthwick, Auckland City Hospital, Auckland; R Doughty, M Copley, Auckland City Hospital, Auckland; R Fisher, R Monkley, Waikato Hospital, Hamilton; B Green, D Scott, Dunedin Hospital, Dunedin; A Hamer, J Tomlinson, Nelson Hospital, Nelson; H Hart, A Turner, North Shore Hospital, Auckland; D Scott, R Cammell, Middlemore Hospital, Otahuhu; R Troughton, L Skelton, Christchurch Hospital, Christchurch; C Young, K Kennett, P3 Research Limited (Tauranga), Tauranga.

Norway- 34 patients 4 centers

D Atar, H Claussen, Ullevål universitetssykehus, Oslo; K Hofsey, R Melbue, Hålogalandssykehuset HF, Harstad; J Sandvik, H Thunhaug, Nordland Hjertesenter AS, Bodø; A Tveit, S Enger, Sykehuset Asker og Bærum Bærum sykehus, Rud.

Peru- 173 patients 11 centers

G Bustamante, M Tejada Guillen, Clinica San Borja, Lima 41; J Cabrera, R Esteves Mendoza, Clínica Vesalio, Lima; C Chavez, C Luna, Hospital Nacional Daniel Alcides Carrion, Callao; J Lema, A Carrion, Hospital Nacional Arzobispo Loayza, Lima; N Llerena, S Araoz Bedregal, Consultorio Privado Dr. Nassil Llerena Navarro, Arequipa; F Medina Palomino, J Rodriguez, Clinica Medica Cayetano Heredia, Lima; J Minchola, C Bautista, Clinica San gabriel, Lima; S Negron Miguel, B Honores Armas, Centro Medico Naval Cirujano Mayor Santiago Tavera, San Borja; A Rodriguez, N Romero, Hospital Nacional Alberto Sabogal Sologuren, Callao; P Torres, K Fernandez Rodriguez, Consultorio Privado Dr Pedro Torres, Arequipa; P Yanac Chavez, **M Horna**, S Delgado, Hospital Alberto Sabogal Sologuren, Callao.

Philippines- 125 patients 8 centers

N Babilonia, CM Sambaz, Philippine Heart Center, Quezon; R Barcinas, M Zapanta, Alexian Brothers Health and Wellness Center, Davao; R Coching, M Vallenias, Davao Doctors Hospital, Davao; G Matiga, C Enad, Perpetual Succour Hospital - Cebu, Cebu; G Rogelio, F Joaquin, St. Luke's Medical Center, Quezon; A Roxas Jr., L Gilo, The Medical City, Pasig; R To, M Aquino, The Medical City, Pasig; L Villamor, K Nario, Cebu Doctors' University Hospital, Cebu.

Poland- 1278 patients 49 centers

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Portugal- 180 patients 10 centers

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Romania- 410 patients 23 centers

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Russian Federation- 1151 patients 66 centers

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Petersburg; Y Lukyanov, D Lamden, SEIHPE SPb SMU n.a. Pavlov affiliate 1 of FAHSD, St. Petersburg; K Nikolaev, A Nikolaev, SBIH of Novosibirsk Region City Clinical Hospital 19, Novosibirsk; I Nikolskaya, O Khromova, MBHI of Novosibirsk City Clinical Hospital 25, Novosibirsk; N Novikova, S Patrusheva, Central Clinical Hospital of Siberian branch of RAOS, Novosibirsk; E Panchenko, P Laguta, FSBI Russian Cardiology Research and Production Complex, Moscow; A Panov, R Nilk, FSI FC of Heart Blood and Endocrinology n.a. Almazov, St. Petersburg; E Polkanova, I Matveeva, SHI Center of Occupational Pathology, St-Petersburg; N Poluyanova, N Pikalova, FSI Outpatient Clinic 3 President of RF, Moscow; T Raskina, M Letaeva, SBHI of Kem. Regional Clinical Hospital for War Veterans, Kemerovo; A Rebrov, N Karoli, SEIHPE Saratov State Medical University, Saratov; M Repin, N Rodina, LLC Institute of Medical Investigations, St. Petersburg; I Shaposhnik, E Lebedev, City Hospital 1, Chelyabinsk; Z Shogenov, M Agirov, CityClinicalHospital81, Moscow; B Sidorenko, S Vorontsova, FSD ESMC of GMD of the president of RF Central Clinical Hospital, Moscow; I Sinitsina, V Orlov, M Golshmid, RMA of Post Graduate Education of MoH and SD of RF, Moscow; Z Sizova, N Lapidus, State Healthcare Institution of city of Moscow Cardiologic, Moscow; K Sobolev, S Erofeeva, City Clinical Hospital No.61, Moscow; E Suprun, D Dronov, Municipal Healthcare Institution Medicosanitary Unit 9, Omsk; N Tarasov, L Isakov, FGHI MSU of the MoIA of the RF for the Kemerovo Region, Kemerovo; S Tereshenko, I Kositsyna, Moscow State Medico-stomat. University City Hospital 68, Moscow; E Tikhonova, A Solovyev, JSC Med. Scient. Production Association Clinic Dvizhenie, Volgograd; A Timofeev, S Bulygin, MIH City Hospital 1, Barnaul; S Ustyugov, M Rossovskaya, MBHI City Clinical Emergency Hospital n/a N.S. Karpovich, Krasnoyarsk; A Vishnevsky, A Kirgizova, SPb SIH Pokrovskaya City Hospital, St-Petersburg; D Volkov, N Rodina, Medical Institute on Krestovskiy, St. Petersburg; V Yakusevich, A Petrochenko, SHI Clinical Hospital for Emergency Medical Care n.a N.V. Solovyev, Yaroslavl; S Yakushin, N Nikulina, Ryazan Regional Clinincal Cardiology Dispensary, Ryazan; D Zateyshchikov, I Zotova, SBHI of city of Moscow City Hospital 17, Moscow; A Zateyshchikova, B Mankhaeva, SBHI City Clinical Hospital 51 of Hd of Moscow city, Moscow; S Zenin, O Kononenko, SBIH Novosibirsk Regional clinical cardiology Dispensary, Novosibirsk; G Zubeeva, I Motylev, Municipal Medicoprophylactic Institution City Hospital 33, Nizhny Novgorod.

Serbia- 277 patients 14 centers

S Apostolovic, D Djordjevic-Radojkovic, Clinical Center of Nis, Nis; V Celic, A Majstorovic, Clinical Center Dragisa Misovic, Belgrade; N Cemerlic Adjic, M Bjelobrk, Institute of Cardiovascular Diseases Sremska Kamenica, Sremska Kamenica; N Despotovic, P Erceg, Clinical Center Zvezdara, Belgrade; S Ilic, B Ilic, Institute for Treatment and Rehabilitation Niska Banja, Niska Banja; M Krotin, A Djokovic, Clinical Center Bezanijska Kosa, Zemun; V Miloradovic, I Djokic, Clinical Center Kragujevac, Kragujevac; P Otasevic, N Tasic, Dedinje Cardiovascular Institute, Belgrade; T Potpara, M Polovina, Clinical Center of Serbia, Belgrade; B Putnikovic, T Kalezic, Clinical Center Zemun, Zemun; P Seferovic, I Milinkovic, Institute of CV Disease Clinical Center of Serbia, Belgrade; D Tavciovski, Z Davicevic, Military Medical Academy, Belgrade; Z Vasiljevic-Pokrajcic, P Mitrovic, Clinical Center of Serbia, Belgrade; B Vujisic Tesic, **M Ostojic**, M Tesic, Institute of CV Diseases Clinical Center of Serbia, Belgrade.

Slovakia- 405 patients 15 centers

V Ambrovicova, I Ambrovic, CELL B s.r.o., Levice; A Banikova, A Banikova, Kardiomed s.r.o., Lucenec; A Dukat, V Kosmalova, Univerzitna nemocnica Bratislava Nemocnica Stare Mesto, Bratislava; K Dulkova, T Dulka, Kardiovaskularne centrum s.r.o., Bratislava; **T Duris**, L

Vankova, FN sP Nove Zamky, Nove Zamky; A Dzupina, M Dzupinova, Alian s.r.o., Bardejov; K Hatalova, R Hatala, Cardioconsult s.r.o., Bratislava; M Hranai, J Hofmanova, Kardiocentrum Nitra s.r.o., Nitra; V Kasperova, A Reptova, Univerzita nemocnica Bratislava Nemocnica Stare Mesto, Bratislava; J Mazur, J Mazur, Kardiocentrum s.r.o., Dolny Kubin; D Pella, J Fedacko, Cardio D&R s.r.o., Kosice; L Ruffini, J Morsky, Nestatna kardiologicka ambulancia, Rimavska Sobota; M Slanina, J Kmec, FN sP J. A. Reimana, Presov; A Zachar, M Kokles, Univerzita nemocnica Bratislava Nemocnica ak. L. Derera, Bratislava; P Zareczky, D Bollova, Cardio s.r.o., Galanta.

South Africa- 277 patients 15 centers

J Badenhorst, L Erasmus, Unitas Hospital, Lyttelton, Gauteng; M Basson, M Poynton, Tiervlei Trial Centre, Belville, W Cape; **A Dalby**, J Allman, Millpark Hospital, Parktown West, Gauteng; G Ellis, L Botha, Helderberg Clinical Trials, Somerset West Western Cape, W Cape; J Engelbrecht, M Mostert, Somerset West, W Cape; M Essop, T Nunkoo, Chris Hani Baragwanath Hospital, Diepkloof, Gauteng; M Gani, L Wilson, GCT- Mercantile CTC, Port Elizabeth, E Cape; Y Kelfkens, Y Kelfkens, Potchefstroom, NW; I Mitha, J Taljaard, Worthwhile Clinical Trials, Benoni, Gauteng; D Naidoo, Y Duki, Research Clinic, Durban, KZ-Natal; F Snyders, M Munnik, Wilgers Medical Consortium, Pretoria, Gauteng; P Soma, H Johnston, University of Pretoria Clinical Trial Unit, Pretoria, Gauteng; N van der Merwe, Y Goosen, Medi-Clinic Bloemfontein, Bloemfontein, Free State; L van Zyl, M le Roux, Clinical Project Research, Worcester; T Venter, L Wessels, Union Hospital, Alberton, Gauteng.

South Korea- 230 patients 23 centers

HJ Bae, MG Han, Seoul National University Bundang Hospital, Gyeonggi-do; JK Cha, DH Kim, Dong-A University Medical Center, Busan; BR Cho, DR Ryu, Kangwon National University Hospital, Gangwon-do; HH Choi, KS Hong, Chuncheon Sacred Heart Hospital, Gangwon-do; WS Chung, YS Oh, The Catholic University of Korea Seoul St. Mary Hospital, Seoul; SH Han, KH Lee, Gachon University Gil Hospital, Incheon; TJ Hong, HW Lee, Pusan National University Hospital, Pusan; MS Hyon, JW Jung, Soonchunhyang University Hospital, Seoul; HK Jeon, JM Lee, The Catholic University of Korea Uijeongbu St. Mary's Hospital, Gyeonggi-do; DH Kang, KJ Choi, Asan Medical Center, Seoul; CJ Kim, ES Jin, Kyung Hee University Hospital at Gandong, Seoul; DS Kim, JS Seo, Inje University Busan Paik Hospital, Busan; HS Kim, MJ Cha, Seoul National University Hospital, Seoul; JT Kim, MS Park, Chonnam National University Hospital, Gwangju; JH Kim, JH Park, Chungnam National University Hospital, Daejeon; JS Kim, SJ Park, Samsung Medical Center, Seoul; SH Kim, JB Seo, Seoul Metropolitan Government Seoul National University, Seoul; YJ Kim, MY Chun, Ewha Womans University Mokdong Hospital, Seoul; MH Lee, BY Joung, Severance Hospital Yonsei University College of Medicine, Seoul; SH Lee, DG Shin, Yeungnam University Hospital, Daegu; J Namgung, JJ Kwak, Inje University Ilsan Paik Hospital, Gyeonggi-do; SW Rha, JO Na, Korea University Guro Hospital, Seoul; SJ Rim, JY Kim, Gangnam Severance Hospital, Seoul.

Spain- 166 patients 14 centers

M Arcocha Torres, A Manzanal Rey, Hospital de Basurto, Bilbao, 48; J Blanco Coronado, I Puertas, Hospital Virgen del Mar, Almeria, 4; J Bruguera Cortada, P Cabero, H del Mar, Barcelona, 8; C Calvo, G Calvo, HCU de Santiago, La Coruna, 15; A de Arce Borda, A Asensio, Hospital de Donostia, San Sebastian, 20; E Diez Tejedor, M Pérez Guevara, HGU La Paz, Madrid, 28; J Gonzalez Juanatey, M Moure, HCU de Santiago, Santiago de Compostela, 15; A

Hernandez Madrid, A Delgado, HU Ramon y Cajal, Madrid, 28; V Lopez Garcia-Aranda, R Barquero, HU Virgen Macarena, Sevilla, 41; L Manzano, S Blanco Abril, Hospital Universitario Ramón y Cajal, Madrid, 28; J Merino, M Diaz-Pintado, H.G.U.La Paz, Madrid, 28; J Arias, M Fernandez, R Fernandez Alvarez, Policlínico de Vigo-Povisa, Vigo, 36; M Terns, M Dachs Delgado, CAP El Remei, Barcelona, 8; R Villuendas, L Astier, Hospital Universitari Germans Trias i Pujol, Barcelona, 8.

Sweden- 252 patients 16 centers

P Appelros, A Åkerberg, Universitetssjukhuset Örebro, Örebro; K Berndtsson Blom, R Andersson, Ladulaas kliniska studier, Skene; P Blomström, L Persson, Akademiska Sjukhuset, Uppsala; T Carlsson, A Stener Bengtsson, Hjärthuset AB, Varberg; S Dettmann, S Östberg, Mora lasarett, Mora; J Engdahl, L Karlsson, Länssjukhuset Halmstad, Halmstad; J Herlitz, L Winberg, Sahlgrenska Sjukhuset, Göteborg; **S Juul-Möller**, H Jernhed, Universitetssjukhuset MAS, Malmö; P Koskinen, E Håkansson, PharmaSite AB, Malmö; P Kozak, M Edlund, ProbarE, Lund; L Malmqvist, G Eriksson, Köpings lasarett, Köping; F Randers, J Moodh, Sahlgrenska Universitetssjukhuset Mölndal, Mölndal; A Rautio, M Johansson, Sensia Forskning, Luleå; F Rönn, C Sundholm, Norrlands Universitetssjukhus, Umeå; A Stenberg, A Gunnarsson, Lindesbergs lasarett, Lindesberg; J Thulin, M Broberg, Capio Citykliniken Lund, Lund.

Switzerland- 5 patients 1 center

T Moccetti, I Petrova Slater, Cardio Centro Ticino, Lugano.

Taiwan- 234 patients 15 centers

CC Cheng, WS Wu, Chi-Mei Medical Center - Yongkang, Tainan; CE Chiang, WC Yu, Taipei Veterans General Hospital, Taipei; FT Chiang, YW Wu, National Taiwan University Hospital, Taipei; CW Chiou, TC Yeh, Kaohsiung Veterans General Hospital, Kaohsiung; CH Hsia, YP Chen, Changhua Christian Hospital, Changhua; JL Huang, YF Chen, Taichung Veterans General Hospital, Taichung; CT Kuo, CL Wang, Chang Gung Memorial Hospital - Linkou, Taoyuan; WT Lai, TH Lin, Kaohsiung Medical University Chung-Ho Memorial Hospital, Kaohsiung; JT Lee, CC Cheng, Tri-Service General Hospital, Taipei; PY Pai, KH Lin, China Medical University Hospital, Taichung; KG Shyu, CZ Chiu, Shin Kong Wu Ho-Su Memorial Hospital, Taipei; WK Tseng, YF Pan, E-Da Hospital, Kaohsiung; KC Ueng, SC Lee, Chung-Shan Medical University Hospital, Taichung; JH Wang, WC Tsai, Hualien Tzu Chi Hospital, Hualien; HI Yeh, JY Kuo, Mackay Memorial Hospital - Tamsui, New Taipei.

Thailand- 115 patients 8 centers

K Jirasirojanakorn, K Pornchaiyasit, Bhumibol Adulyadej Hospital, Bangkok; P Kaewsuwanna, W Sinthusopa, Maharat Nakhon Ratchasima Hospital, Nakhon Ratchasima; S Kiatchoosakun, S Sriprasert, Srinagarind Hospital, Khon Kaen; P Laothavorn, P Bamrunpong, Phramongkutklo Hospital, Bangkok; D Piyayotai, A Sripracha, Thammasat Chalerm-Prakiat Hospital, Pathumthani; **P Sritara**, P Panpunuan, Ramathibodi Hospital, Bangkok; A Sukonthasarn, W Mekara, Maharaj Nakorn Chiang Mai Hospital, Chiang Mai; Y Vorasettakarnkij, E Puripun, King Chulalongkorn Memorial Hospital, Bangkok.

Turkey- 111 patients 17 centers

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Research Hospital, Izmir; N Cakmak, A Calik, Siyami Ersek Hospital, Istanbul; M Cayli, M Cayli, Adana Numune Training and Research Hospital, Adana; C Ceyhan, C Ceyhan, Adnan Menderes University Medical Faculty, Aydin; D Erdogan, D Erdogan, Suleyman Demirel University Medical Faculty., Isparta; C Ermis, C Ermis, Akdeniz University Medical Faculty, Antalya; K Kabul, H Demir, GATA (Gulhane Military Medical School), Ankara; M Kanadasi, M Kanadasi, Cukurova University Medical Faculty, Adana; **A Oto**, A Oto, Hacettepe University School of Medicine, Ankara; O Turgut, I Tandogan, Cumhuriyet University Medical Faculty, Sivas; R Yalcin, R Yalcin, Gazi University, Ankara; F Yigit, F Yigit, Baskent University Medical Faculty, Adana; Z Yigit, Z Yigit, Istanbul University Cardiology Institute, Istanbul; M Zoghi, M Zoghi, Ege University Medical Faculty Hospital, Izmir.

Ukraine- 1148 patients 46 centers

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United Kingdom- 400 patients 31 centers

R Aggarwal, S Smith, Basildon University Hospital, Basildon, Essex; I Beeton, S Dunn, St Peter's Hospital, Chertsey, Surrey; M Blagden, R Price, Avondale Surgery, Chesterfield, Derby; **J Camm**, K Dougal, St Georges Hospital, London, GT LON; O Chapman, D Davies, University Hospital of Coventry and Warwickshire, Coventry, Warwks; A Choy, J Duff, Ninewells Hospital, Dundee; A Cohen, R Wilmott, King's College Hospital, London, GT LON; D D'Costa, M Green, New Cross Hospital, Wolverhampton, WSTMID; H Douglas, D Dickinson, University Hospital Aintree, Liverpool, MERSYD; F Lie, V Ramasamy, Whipps Cross Hospital, London, GT LON; S Lindsay, C Atkinson, Bradford Royal Infirmary, Bradford, WYORKS; N Linker, M Finlayson, James Cook Hospital, Middlesborough, T&W; G Lip, R Brown, City Hospital, Birmingham; P MacCallum, P Ebano, Barts and the London NHS Trust, London; P MacCallum, P Ebano, Wolfson Institute of Preventive Medicine, London, GT LON; M MacLeod, C McGhee, Forth Valley Royal Hospital, Larbert, AYR; P Marazzi, D Jones, East Horsley Medical Centre, East Horsley, Surrey; T Maxwell, C Isted, Little Common Surgery, Bexhill on Sea, E.SUSX; R More, L Helliwell, Lancashire Cardiac Centre, Blackpool, LANCS; A Moriarty, A Mackin, Craigavon Area Hospital, Belfast, BFS; D Murdoch, A Andrews, Southern General Hospital NHS Trust, Glasgow, STRATH; D Newby, L Flint, Edinburgh Royal Infirmary, Edinburgh,

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United States- 3907 patients 336 centers

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