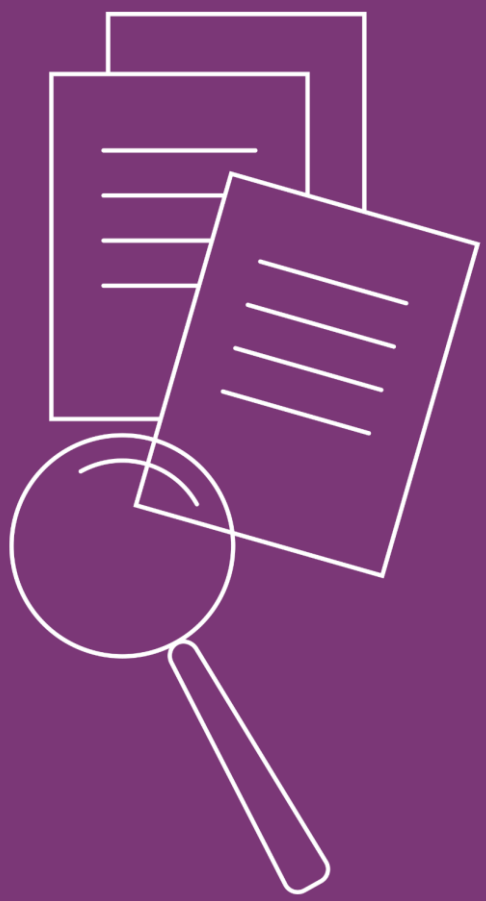
BIBLIOGRAPHY

Clinical Research

TRI Thrombosis Research Institute

The Thrombosis Research Institute (TRI) has published over 75 papers and presented over 100 abstracts at different congresses around the world for many years. These cover a range of clinical research studies, including GARFIELD-AF, GARFIELD-VTE, RIVER, PERCEIVE, Frontline-2 and ETHIC.



TRI has been at the centre of the global understanding of thrombosis for several decades, producing the highest calibre research into the condition.

After decades of conducting randomised clinical studies, we expanded our research to include real-world outcomes studies, strengthening the chain of evidence beyond clinical trials and generating new data to improve healthcare delivery and patient outcomes.

The recent published and presented outputs of our clinical research are summarised in this document.

Updated May 2023

Manuscripts

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1. Alexander GG Turpie, Alfredo E. Farjat, Sylvia Haas, Walter Ageno, Jeffrey I Weitz, Samuel Z Goldhaber, Shinya Goto, Pantep Angchaisuksiri, Gloria Kayani, Renato D Lopes, Chern-En Chiang, Harry Gibbs, Eric Tse, Peter Verhamme, Hugo ten Cate, Juan Muntaner, Sebastian Schellong, Henri Bounameaux, Paolo Prandoni, Ajay K Kakkar. **36-month clinical outcomes of patients with venous thromboembolism: GARFIELD-VTE.** Thrombosis Research, 2022. https://doi.org/10.1016/j.thromres.2022.11.016.

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Abstracts

2023

European Society of Cardiology Congress 2023 (Amsterdam, Netherlands, 25–28 August 2023)

1. Camm CJF, Virdone S, Corbalan R, Jerjes Sanchez Diaz C, Oh S, Eikelboom J, Oto A, Fox KAA, Camm AJ, Pieper KS, Goto S, Kakkar AJ. **Relationship between care specialty and atrial fibrillation outcomes in the GARFIELD-AF registry.**

2022

European Society of Cardiology Congress 2022 (Barcelona, Spain, 26–29 August 2022)

1. Freek WA Verheugt, Keith AA Fox, Saverio Virdone, Bernard J Gersh, Sylvia Haas, Karen S Pieper, Gloria Kayani, A John Camm, Alexandr Parkhomenko, Ajay K Kakkar for the GARFIELD-AF investigators. **Differential Efficacy and Safety of Oral Anticoagulation in Atrial Fibrillation Patients with or without Comorbid Vascular Disease: Insights from the GARFIELD-AF registry.**

2. Marita Knudsen Pope, Trygve S Hall, Saverio Virdone, Karen S Pieper, Petr Jansky, Jan Steffel, Dan Atar, A John Camm, Sylvia Haas, Bernard J Gersh, Shinya Goto, Elizaveta Panchenko, Joern Dalsgaard Nielsen, Pantep Angchaisuksiri, Ajay K Kakkar, for the GARFIELD-AF Investigators**. Rhythm versus rate control in patients with newly diagnosed atrial fibrillation: observations from the GARFIELD-registry.**

3. C Escobar Cervantes, AJ Camm, S Virdone, KAA Fox, JP Bassand, K Pieper, G Kayani, AK Kakkar, for the GARFIELD-AF investigators. **Stroke and bleed related deaths in newly diagnosed atrial fibrillation patients: insights from the GARFIELD-AF registry.**

2021

European Society of Cardiology Congress 2021 (Digital, 27–30 August 2021)

1. Saverio Virdone, Jelle Himmelreich, Karen S Pieper, A. John Camm, Jean -Pierre Bassand, Keith AA Fox, David A Fitzmaurice, Samuel Z. Goldhaber, Shinya Goto, Sylvia Haas, Gloria Kayani, Frank Misselwitz, Alexander GG Turpie, Freek W.A. Verheugt, Ajay K Kakkar, for the GARFIELD-AF Investigators. **Comparative Effectiveness of NOAC vs VKA in Patients Representing Common Clinical Challenges: Results from the GARFIELD-AF Registry.**

2. Jean-Pierre Bassand, Saverio Virdone, Freek WA Verheugt, A John Camm, Frank Cools, Keith AA Fox, Samuel Z. Goldhaber, Shinya Goto, Sylvia Haas, Werner Hacke, Gloria Kayani, Frank Misselwitz, Karen S Pieper, Alexander GG Turpie, Ajay K Kakkar, for the GARFIELD-AF Investigators. **Impact of NOAC and VKA on outcome of patients with newly diagnosed atrial fibrillation and diabetes – A report from the GARFIELD-AF registry.**

3. Jelle CL Himmelreich, Saverio Virdone, A John Camm, Ralf E Harskamp, Karen S Pieper, Keith AA Fox, Jean-Pierre Bassand, David A Fitzmaurice, Samuel Z Goldhaber, Shinya Goto, Sylvia Haas, Frank Misselwitz, Alexander GG Turpie, Freek WA Verheugt, Ajay K Kakkar for the GARFIELD-AF Investigators. **Safety and efficacy of apixaban and rivaroxaban versus warfarin in real-world atrial fibrillation patients are similar to their randomized trials: insights from the GARFIELD-AF registry.**

4. Jelle CL Himmelreich, Saverio Virdone, A John Camm, Ralf E Harskamp, Karen S Pieper, Keith AA Fox, Jean-Pierre Bassand, David A Fitzmaurice, Samuel Z Goldhaber, Shinya Goto, Sylvia Haas, Frank Misselwitz, Alexander GG Turpie, Freek WA Verheugt, Ajay K Kakkar, for the GARFIELD-AF Investigators. **Comparing Rivaroxaban and Apixaban in GARFIELD-AF according to ROCKET AF and ARISTOTLE trial selection criteria.**

2020

European Society of Cardiology Congress (Amsterdam, Netherlands, 31 August–4 September 2020)

1. Camm AJ, Steffel J, Virdone S, Bassand J-P, Fitzmaurice DA, Fox KAA, Goldhaber SZ, Goto S, Haas S, Turpie AGG, Verheugt FWA, Misselwitz F, Kayani G, Pieper KS, Kakkar AK for the GARFIELD-AF Investigators. **Guideline-directed medical therapies for comorbidities among patients with atrial fibrillation: results from GARFIELD-AF.**

2. Camm AF, Camm AJ, Virdone S, Bassand J-P, Fitzmaurice DA, Fox KAA, Goldhaber SZ, Goto S, Haas S, Turpie AGG, Verheugt FWA, Misselwitz F, Kayani G, Pieper KS, Kakkar AK for the GARFIELD-AF Investigators. **The effect of body mass index on clinical outcomes in patients with newly diagnosed atrial fibrillation in the GARFIELD-AF registry.**

3. Cools, F, Johnson D, Pieper KS, Camm AJ, Bassand J-P, Fitzmaurice DA, Fox KAA, Goldhaber SZ, Goto S, Haas S, Turpie AGG, Verheugt FWA, Misselwitz F, Kayani G, Kakkar AK for the GARFIELD-AF Investigators. **Permanent discontinuation of different anticoagulants in patients with atrial fibrillation and the impact on clinical outcome: data from the GARFIELD-AF registry.**

4. Apenteng P, Fitzmaurice DA, Virdone S, Camm AJ, Bassand J-P, Fitzmaurice DA, Fox KAA, Goldhaber SZ, Goto S, Haas S, Turpie AGG, Verheugt FWA, Misselwitz F, Kayani G, Pieper KS, Kakkar AK, for the GARFIELD-AF Investigators. **Clinical outcomes of patients with newly diagnosed atrial fibrillation who refused anticoagulation: findings from the global GARFIELD-AF registry.**

2019

American Heart Association Scientific Sessions (Philadelphia, Pennsylvania, USA, 16–18 November 2019)

1. Pope MK, Atar A, Svilaas A, on behalf of GARFIELD-AF Investigators. **Risk profile, Antithrombotic Treatment and Clinical Outcomes for Nordic Patients with Atrial Fibrillation.**

European Society of Cardiology Congress (Paris, France, 31 August- 4 September 2019)

1. Fox KAA, Virdone S, Pieper K, on behalf of GARFIELD-AF Investigators. **Balancing risk and benefit in patients with atrial fibrillation: the GARFIELD-AF risk score.**

2. Verstraete S, Virdone S, J Bassand J-P, Cools F, Pieper K, Kayani G, Kakkar AK, on behalf the GARFIELD-AF Investigators. **Haematuria is not elevated in AF patients treated with NOACs versus VKAs: GARFIELD-AF study.**

Late Breaking Abstracts

3. Bassand J-P, Illingworth L, Badoz M, Camm AJ, Fitzmaurice DA, Fox KAA, Goldhaber SZ, Goto S, Haas S, Hacke W, Mantovani LG, Pieper K,S, Turpie AGG, Verheugt FWA, Kakkar AK, on behalf of GARFIELD-AF Investigators. **Early and late prognostic implications of bleeding in patients with newly diagnosed atrial fibrillation: Real world evidence from the GARFIELD-AF registry.**

4. Lim TW, Camm A,J, Virdone S, Singer DE, Bassand J-P, Fonarow G,C, Fox KAA, Ezekowitz M, Gersh BJ, Hylek E, Kakkar AK, Mahaffey K,W, Pieper K,S, Peterson ED, Piccini JP, on behalf of GARFIELD-AF and ORBIT-AF Investigators. **Predictors of intracranial haemorrhage in patients with atrial fibrillation treated with oral anticoagulants: results from the GARFIELD-AF and ORBIT-AF registries.**

2018

European Society of Cardiology Congress (Munich, Germany, 25–29 August 2018)

1. Keith AA Fox, Berchuck S, Camm AJ, Bassand J-P, Fitzmaurice DA, Gersh BJ, Goldhaber SZ, Goto S, Haas S, Misselwitz F, Pieper KS, Turpie AGG, Verheugt FWA, Kakkar AK, for the GARFIELD-AF Investigators. **Evaluation of the effect of oral anticoagulants on all-cause mortality within 3 months of the diagnosis of atrial fibrillation: Results from the GARFIELD-AF prospective registry.**

2. Cozzolino P, Ambrosio G, Bassand J-P, Ten Cate H, Cools F, Darius H, Fitzmaurice D, Haas J, Le Heuzey J-Y, Agnelli G, Rosenkvist M, Stepinska J, Vinolas X, Mantovani L.G, Kakkar AK. **The economic burden attributable to atrial fibrillation in nine European countries: perspectives from the GARFIELD-AF registry.**

3. Camm AJ, Cools F, Virdone S, Bassand J-P, Fitzmaurice DA, Fox KAA, Goldhaber SZ, Goto S, Haas S, Mantovani L.G, Pieper K, Turpie AGG, Verheugt FWA, Kakkar AK, for the GARFIELD-AF Investigators. **The effect of non-recommended dosing of non-vitamin K antagonist oral anticoagulants (NOACs) on 1-year mortality in patients with newly diagnosed AF? Results from the GARFIELD-AF registry.**

4. Schirripa V, Radic P, Pieper K,S, Illingworth L, Le Heuzey J-Y, Jansky P, Fitzmaurice D.A, Connolly S, Cappato R, Camm AJ, Atar D, Kakkar AK. **Role of cardioversion in the management of non-valvular atrial fibrillation: insights from the GARFIELD-AF registry.**

5. Siegal DM, Verbrugge F, Martin A-C, Fiarresga A, Camm AJ, Pieper K, Fox KAA, Bassand J-P, Haas S, Goldhaber SZ, Kakkar AK. **Why do clinicians withhold anticoagulation in patients with atrial fibrillation and CHA2DS2 Vasc score ≥2?**

6. Verbrugge F, Martin A.C, Siegal D, Fiarresga A, Pieper K, Camm J, Fox KAA, Bassand J-P, Haas S, Goldhaber SZ, Kakkar AK. **Why do clinicians prescribe oral anticoagulation in patients with atrial fibrillation despite a low CHA2DS2-VASc score?**

Late Breaking Abstracts

7. Fox KAA, Velentgas P, Camm AJ, Bassand J-P, Fitzmaurice D.A, Gersh B.J, Goldhaber SZ, Goto S, Haas S, Misselwitz F, Pieper K, Turpie AGG, Verheugt FWA, Kakkar AK, for the GARFIELD-AF Investigators. **Adverse one-year outcomes for patients newly treated with oral anticoagulants plus antiplatelet therapy after a diagnosis of atrial fibrillation: Results from the GARFIELD-AF prospective registry.**

8. John Camm AJ, Fox KAA, Virdone S, Bassand J-P, Fitzmaurice D.A, Gersh B.J, Goldhaber SZ, Goto S, Haas S, Misselwitz F, Pieper K, Turpie A.G.F, Verheugt FWA, Kakkar AK, for the GARFIELD-AF Investigators. **Comparative effectiveness of oral anticoagulants in everyday practice: Results from the GARFIELD-AF prospective registry.**

World Stroke Congress (Montreal, Canada, 17–20, October 2018)

1. Hacke W, Bassand J-P, Camm AJ, Fitzmaurice D.A, Goldhaber SZ, Virdone S, Goto S, Haas S, Kayani G, Mantovani L.G, Pieper L.G, Misselwitz F, Van Eickels M, Turpie AGG, Verheugt FWA, Kakkar AK, for the GARFIELD-AF

Investigators. **In newly diagnosed atrial fibrillation patients, a history of stroke is a better predictor of events than a history of TIA.**

American Heart Association Scientific Sessions (Chicago, USA, 10–14 November 2018)

1. Cools F, Camm AJ, Bassand J-P, Verheugt F.W.A, Yang S, Tsiatis A, Fitzmaurice D.A, Goldhaber SZ, Goto S, Haas S, Misselwitz F, Turpie AGG, Fox KAA, Kakkar AK, for the GARFIELD-AF Investigators. **The risk of permanent discontinuation of oral anticoagulation in patients with atrial fibrillation: data from the GARFIELD-AF registry**

2017

American College of Cardiology Annual Scientific Session (Washington DC, USA, 17–19 March 2017)

1. Camm AJ, Accetta G, Agnelli G, Bassand J.-P, Goldhaber S, Kayani G, Misselwitz F, Oh S, Raatikainen P, Turpie A, van Eickels M, Kakkar A. **Treatment and outcomes of patients with nonvalvular atrial fibrillation according to guideline-defined anticoagulation thresholds: results from the GARFIELD-AF registry.** JACC 2017;69:364. P1110-098, 17 March 2017. http://www.sciencedirect.com/science/article/pii/S0735109717337531.

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1. Atar D, Le Heuzey J-Y, Accetta G, Bassand J-P, Camm AJ, Corbalan R, Gibbs H, Goldhaber SZ, Goto S, Jones P, Kayani G, Misselwitz F, Stepinska J, Turpie AGG, Kakkar AK, on behalf of GARFIELD-AF Investigators. **Differences in two-year outcomes according to type of atrial fibrillation: results from the GARFIELD-AF registry.** Eur Heart J 2016;37:975. P4601, 28 August 2017. https://academic.oup.com/eurheartj/article/38/suppl_1/ehx504.P4601/4090645.

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2. Jing Z-C, Sawhney JPS, Oh S, Goto S, Angchaisuksiri P, Camm AJ, Fox KAA, Gao H, Gersh BJ, Haas S, Kayani G, Koretsune Y, Lim TW, Mantovani L.G, Kakkar AK, for the GARFIELD-AF Investigators. **Baseline characteristics and treatment patterns in patients with newly diagnosed atrial fibrillation in Asian countries: insights from GARFIELD-AF.** O7-3, 14 September 2017.

3. Goto S, Goto S, Angchaisuksiri P, Bassand J-P, Camm AJ, Gao H, Jing Z-C, Kayani G, Koretsune Y, Lim TW, Oh S, Sawhney JPS, Turpie AGG, van Eickels M, Verheugt FWA, Kakkar AK, for the GARFIELD-AF Investigators. **Risk factor profile and management of patients with chronic kidney disease and newly diagnosed atrial fibrillation in Asia: results from GARFIELD-AF.** O21-4, 15 September 2017.

2016

European Society of Cardiology Congress (Rome, Italy, 27–31 August 2016)

1. Fox KAA, Lucas JE, Pieper KS, Bassand J-P, Camm AJ, Fitzmaurice DA, Hacke W, Kayani G, Oto A, Kakkar AK, on behalf of GARFIELD-AF Investigators. **Identifying patients with atrial fibrillation and "truly low" thromboembolic risk who are poorly characterized by CHA_2DS_2-VASc: superior performance of a novel machine learning tool in GARFIELD-AF.** 7075, 29 August 2016.

2. Fox KAA, Accetta G, Darius H, Goto S, Kayani G, Koretsune Y, Oh S, Parkhomenko A, Sawhney JPS, Stepinska J, Kakkar AK, on behalf of GARFIELD-AF Investigators. **Do baseline characteristics account for geographical variations in event rates in patients with newly diagnosed atrial fibrillation? The GARFIELD-AF registry.** *Eur Heart J* 2016; **37**: 810. P4100, 29 August 2016. http://eurheartj.oxfordjournals.org/content/ehj/37/suppl_1/599.full.pdf.

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Belgian Society of Cardiology (Brussels, Belgium, 28–29 January 2016)

1. Cools F, Xhaët O, Striekwold H, De Wolf A, Voet J, Heyse A, Hollanders G, Wollaert B, Vervoort G, Hermans K, Verstraete S, Paparella G, Purnode P, Faes D, Mairesse G, Anné W, Boussy T, Beutels M, Maréchal P, Godart P, Vandergoten P, Vercammen J, Capiau L, Blankoff I, Balthazar Y, Kakkar AJ. **Evolution over time of antithrombotic therapies in Belgium in patients with newly diagnosed atrial fibrillation: data from the GARFIELD-AF registry.**

German Cardiac Society (Mannheim, Germany, 30 March–2 April 2016)

1. Darius H, Schellong S, Haas S; GARFIELD-DE. **Schlaganfallprävention bei nicht valvulärem VHF im klinischen Alltag in Deutschland – Subanalyse der nationalen Kohorte im GARFIELD-AF Register.** P1817, 2 April 2016.

2015

European Society of Cardiology Congress (London, UK, 29 August–2 September 2015)

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Europe: an analysis from the GARFIELD-AF registry. Eur Heart J 2015;36:242. P1513, 30 August 2015. http://eurheartj.oxfordjournals.org/content/ehj/36/suppl_1/163.full.pdf.

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International Society on Thrombosis and Haemostasis Congress (Toronto, Canada, 20–25 June 2015)

1. Kakkar AK, Accetta G, Agnelli G, Angchaisuksiri P, Bassand J-P, Chiswell K, Cools F, Fitzmaurice D.A, Gibbs H, Goldhaber SZ, Goto S, Haas S, Jacobson B, Jerjes-Sanchez C, Kayani G, Mantovani LG, Misselwitz F, ten Cate H, Turpie A.G, van Eickels M, Verheugt FW, Camm J, and on behalf of GARFIELD-AF Investigators. **Risk profiles and 1-year outcomes of patients with newly diagnosed atrial fibrillation: results from GARFIELD-AF.** J Thromb Haemost 2015;13:139. OR119, 22 June 2015. http://onlinelibrary.wiley.com/doi/10.1111/jth.12993/epdf.

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2014

European Society of Cardiology Congress (Barcelona, Spain, 30 August–3 September 2014)

1. Bassand J-P, Goldhaber SZ, Camm J, Turpie AGG, Misselwitz F, Oh S, van Eickels M, Agnelli G, Raatikainen P, Kakkar AK, for the GARFIELD Investigators. **Truly low-risk patients with newly diagnosed non-valvular atrial fibrillation at risk of stroke: 1-year outcomes from the GARFIELD Registry.** Eur Heart J 2014;35:1108. P6246, 2 September 2014. http://eurheartj.oxfordjournals.org/content/ehj/35/suppl_1/851.full.pdf

2. Haas S, Goto S, Fitzmaurice D, Eikelboom J, ten Cate H, Koretsune Y, Parkhomenko A, Angchaisuksiri P, Corbalan R, Jacobson B, for the GARFIELD Investigators. **International normalized ratio control and 1-year outcomes in patients with newly diagnosed atrial fibrillation: the GARFIELD Registry.** Eur Heart *J* 2014;35:1110. P6256, 2 September 2014. http://eurheartj.oxfordjournals.org/content/ehj/35/suppl_1/851.full.pdf.

3. Bassand J-P, Fitzmaurice D, Camm J, Cools F, Stepinska J, Corbalan R, Kayani G, Panchenko E, Kakkar AK, for the GARFIELD Investigators. **Is cardiovascular death a primary driver of mortality in higher age groups of patients with non-valvular atrial fibrillation? Results from the GARFIELD Registry.** Eur Heart J 2014;35:437. P2469, 31 August 2014. http://eurheartj.oxfordjournals.org/content/ehj/35/suppl_1/173.full.pdf.

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Gesellschaft für Thrombose - und Hämostaseforschung (Munich, Germany, 20–23 February 2013)

1. Haas S, Darius H, Bassand JP, Fitzmaurice D.A, Goldhaber SZ, Goto S, Hacke W, Lip GYH, Mantovani LG, Verheugt FWA, van Eickels M, Misselwitz F, Rushton-Smith S, Turpie AGG, Kakkar AK, for the GARFIELD Registry Investigators. **Risk profiles and treatment of patients newly diagnosed with atrial fibrillation at risk of stroke: data from the first cohort of the GARFIELD Registry.** P1-16.

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1. Bassand J-P, Rushton-Smith S, Camm AJ, Goldhaber SZ, Goto S, Haas S, Mueller I, Turpie AGG, Kakkar A, for the GARFIELD Investigators. **Atrial fibrillation treatment paradox: characteristics of and first-year events in patients not treated with vitamin K antagonists compared to treated patients. The GARFIELD Registry.** JACC 2013;61:E379. P49, 10 March 2013. http://content.onlinejacc.org/article.aspx?articleid=1664526.

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2. Camm AJ, Turpie AGG, Goto S, Stepinska J, Le Heuzey J-Y, Misselwitz F, Corbalan R, Rushton-Smith SK, Kayani G, Kakkar AK. **One-year outcomes in new versus permanent atrial fibrillation: insights from the prospective, international GARFIELD Registry.** Eur Heart J 2013;34:954. P5137, 3 September 2013 http://eurheartj.oxfordjournals.org/content/34/suppl_1/P5137.

3. Verheugt FWA, Goldhaber SZ, Atar D, Camm AJ, Ambrosio G, Jansky P, Stepinska J, Rushton-Smith SK, Kayani G, Kakkar AK. **Outcomes at 1 year in atrial fibrillation patients with versus without an acute coronary syndrome: insights from the prospective GARFIELD Registry.** Eur Heart J 2013;34:669. 3735, 2 September 2013. http://eurheartj.oxfordjournals.org/content/34/suppl_1/3735.

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5. Kakkar AK, Bassand J-P, Goldhaber SZ, Agnelli G, Atar D, Berge E, Cools F, Haas S, Rushton-Smith SK, Hacke W. **One-year outcomes in atrial fibrillation patients with versus without a previous stroke or transient ischaemic attack: findings from the international prospective GARFIELD Registry.** Eur Heart J 2013;34:61. P386, 31 August 2013. http://eurheartj.oxfordjournals.org/content/34/suppl_1/P386.

6. Le Heuzey J-Y, Goto S, Verheugt FWA, Cools F, Rushton-Smith SK, Kayani G, Wilkinson P, Kakkar AK. **Direct current conversion and clinical events at 1 year in patients with non-valvular atrial fibrillation. The Global Anticoagulant Registry in the FIELD (GARFIELD).** Eur Heart J 2013;34:1045. P5633, 3 September 2013. http://eurheartj.oxfordjournals.org/content/34/suppl_1/P5633.

7. Sanchez Diaz CJ, Goto S, Misselwitz F, Ambrosio G, Rushton-Smith SK, Kayani G, Wilkinson P, Kakkar AK. **One-year outcomes in atrial fibrillation patients with versus without coronary artery disease. The prospective Global Anticoagulant Registry in the FIELD (GARFIELD).** Eur Heart J 2013;34:571. P3129, 2 September 2013. http://eurheartj.oxfordjournals.org/content/34/suppl_1/P3129.

8. Turpie AGG, Camm AJ, Goto S, Stepinska J, Le Heuzey J-Y, Misselwitz F, Corbalan R, Rushton-Smith SK, Kayani G, Kakkar AK. **Twelve-month outcomes in paroxysmal versus permanent atrial fibrillation: data from the prospective, international GARFIELD Registry.** Eur Heart J 2013;34:738. P4065, 2 September 2013. http://eurheartj.oxfordjournals.org/content/34/suppl_1/P4065.

American Heart Association Scientific Sessions (Dallas, TX, USA, 16–20 November 2013)

1. Goto S, Oh S, Bassand J-P, Gibbs H, Angchaisuksiri P, Rushton-Smith SK, Kayani G, Kakkar AK, Wilkinson P. **Moderate-to-severe chronic kidney disease associated with 1-year all-cause mortality in patients newly diagnosed with non-valvular atrial fibrillation. The prospective international GARFIELD Registry.** Circulation 2013;128:A14514. 18 November 2013. http://circ.ahajournals.org/content/128/Suppl_22/A14514.

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1. Gibbs H. **One year Australian outcome of cohort 1 of the Global Anticoagulant Registry in the Field (GARFIELD) Study.** CSANZ, 2013. Heart Lung Circ 2013;22:S221. A525, 10 August 2013. http://www.heartlungcirc.org/article/S1443-9506%2813%2900885-8/fulltext.

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American College of Cardiology Annual Scientific Session (Chicago, USA, 24–27 March 2012)

1. Lip G, Bassand JP, Fitzmaurice DA, Goldhaber SZ, Goto S, Verheugt FWA, Turpie AGG, Mueller I, Rushton-Smith S, Kakkar AK, for the GARFIELD Investigators. **Inappropriate utilization of anticoagulation in patients with atrial fibrillation: the Global Anticoagulant Registry in the FIELD (GARFIELD) Registry.** J Am Coll Cardiol 2012;59:E670. P1236-167, 26 March 2012. http://content.onlinejacc.org/article.aspx?articleid=1204760.

European Stroke Conference (Lisbon, Portugal, 22–25 May 2012)

1. Hacke W, Bassand JP, Fitzmaurice D.A, Goldhaber SZ, Goto S, Haas S, Lip GYL, Mantovani L, Turpie AGG, Verheugt FWA, Misselwitz F, van Eickels M, Mueller I, Rushton-Smith S, Kakkar AK, for the GARFIELD Investigators. **Gap between evidence-based guidelines and provision of oral anticoagulant therapy among patients newly**

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European Society of Cardiology Congress (Munich, Germany, 25–29 August 2012)

1. Bassand JP, Mueller I, Mantovani LG, Haas S, Goldhaber SZ, Goto S, Lip GYH, Rushton-Smith SK, Kakkar AK, for the GARFIELD Investigators. **Antithrombotic treatment patterns for stroke prevention in relation to age: insights from the Global Anticoagulant Registry in the FIELD (GARFIELD) evaluation.** Eur Heart J 2012;33:52. P557, 26 August 2012. http://eurheartj.oxfordjournals.org/content/ehj/33/suppl_1/19.full.pdf.

2. Verheugt FWA, Bassand JP, Turpie AGG, Fitzmaurice DA, Haas S, Goto S, Lip GYH, Mueller I, Rushton-Smith SK, Kakkar AK, for the GARFIELD Investigators. **Antithrombotic therapy for stroke prevention in patients with newly diagnosed atrial fibrillation and a history of acute coronary syndrome: the Global Anticoagulant Registry in the FIELD (GARFIELD).** Eur Heart J 2012;33:1081. P5748, 29 August 2012. http://eurheartj.oxfordjournals.org/content/ehj/33/suppl_1/941.full.pdf.

3. Lip GYH, Rushton-Smith SK, Goto S, Verheugt FWA, Goldhaber SZ, Haas S, Bassand JP, Mueller I, Kakkar AK, for the GARFIELD Investigators. **Patterns of antithrombotic therapy and type of atrial fibrillation: insights from the Global Anticoagulant Registry in the FIELD (GARFIELD).** Eur Heart J 2012;33:54. P562, 26 August 2012. http://eurheartj.oxfordjournals.org/content/ehj/33/suppl_1/19.full.pdf.

4. Lip GYH, Rushton-Smith SK, Goldhaber SZ, Fitzmaurice DA, Mantovani LG, Goto S, Haas S, Bassand JP, Mueller I, Kakkar AK, for the GARFIELD Investigators. **Gender differences in use of antithrombotic therapy in atrial fibrillation: real-world perspective from the Global Anticoagulant Registry in the FIELD (GARFIELD).** Eur Heart J 2012;33:58. P578, 26 August 2012. http://eurheartj.oxfordjournals.org/content/ehj/33/suppl_1/19.full.pdf.

5. Goto S, Mueller I, Fitzmaurice DA, Haas S, Lip GYH, Turpie AGG, Goldhaber SZ, Rushton-Smith S, Kakkar AK, for the GARFIELD Investigators. **Regional differences in the use of antithrombotic therapy for stroke prevention in atrial fibrillation: European and Asian insights from the Global Anticoagulant Registry in the FIELD (GARFIELD).** Eur Heart J 2012;33:685. P4043, 28 August 2012 http://eurheartj.oxfordjournals.org/content/ehj/33/suppl_1/655.full.pdf.

6. Goto S, Lip GYH, Goldhaber SZ, Verheugt FWA, Bassand JP, Turpie AGG, Mueller I, Rushton-Smith SK, Kakkar AK, for the GARFIELD Investigators. **Impact of renal function on use of antithrombotic therapy in atrial fibrillation: real-world perspective from the global anticoagulant registry in the FIELD.** Eur Heart J 2012;33:967. 5290, 29 August 2012. http://eurheartj.oxfordjournals.org/content/ehj/33/suppl_1/941.full.pdf.

World Stroke Congress (Brasilia, Brazil, 10–13 October 2012)

1. Hacke W, Rushton-Smith S, Mueller I, Kakkar AK, for the GARFIELD Investigators. **Characteristics and treatment of patients newly diagnosed with atrial fibrillation with versus without prior stroke: the global GARFIELD registry.** 12 October 2012.

American Heart Association Scientific Sessions (Los Angeles, USA, 4–6 November 2012)

1. Kakkar AK, **Antithrombotic treatments and associated outcomes in patients with atrial fibrillation: the Global Anticoagulant Registry in the FIELD (GARFIELD).** 7 November 2012. (Clinical Science: Special Reports session)

2. Mantovani L, Mueller I, Bassand J.P, Fitzmaurice D, Goldhaber SZ, Goto S, Haas S, Turpie AGG, Verheugt FWA, Rushton-Smith S, Kakkar AK; for the GARFIELD Investigators. **Outcomes and quality of anticoagulant control in patients newly diagnosed with non-valvular atrial fibrillation: insights from the worldwide GARFIELD Registry.** Circulation 2012; 126: A18357. P2171, 6 November 2012 http://circ.ahajournals.org/content/126/Suppl_21/A18357.

3. Gibbs H, Kakkar A. **Atrial fibrillation in Australia – results from the Garfield study.** CSANZ, 2012. Heart Lung Circ 2012; 21: S243. A586 http://www.heartlungcirc.org/article/S1443-9506%2812%2900868-2/fulltext.

4. Koretsune Y. **Atrial fibrillation and the GARFIELD Registry in Japan.** Japanese Society of Electrocardiology, 2012.

5. Fitzmaurice D, Murray E, Apenteng P, Hobbs R, Kakkar A. **Global Anticoagulant Registry in the Field (Garfield): a snapshot of atrial fibrillation in the UK.** Society for Academic Primary Care, 2012. SP125, 3–4 October 2012.

2011

European Society of Cardiology Congress (Paris, France, 27–31 August 2011)

1. Kakkar AK, on behalf of the Garfield Registry Investigators. **Prospective multicentre international registry of patients newly diagnosed with atrial fibrillation at risk of stroke: the Garfield Registry.** Eur Heart J 2011; 32: 566. P3359 (W), 29 August 2011. https://academic.oup.com/eurheartj/article/32/suppl_1/313/471759/Monday-29-August-2011

Abstracts

2022

International Society on Thrombosis and Haemostasis Congress(London, UK, 9–13 July 2022)

1. MacCallum P, Virdone S, Bariana Tadhir, Uma Maheshwari Pieper K, Kakkar A. **Predictors of venous thromboembolism in hospitalised COVID-19 patients.**

2021

International Society on Thrombosis and Haemostasis Congress (Philadelphia, USA, 17–21 July 2021)

1. Turpie A, Farjat A, Haas S, Ageno W, Weitz J, Goldhaber S, Goto S, Angchaisuksiri P, Kayani G, Lopes RD, Chiang C, Gibbs H, Tse E, Verhamme P, Cate H, Muntaner J, Schellong S, Bounameaux H, Prandoni P, and Kakkar A, on behalf of the GARFIELD-VTE investigators. **36-month clinical outcomes of patients with venous thromboembolism: GARFIELD-VTE.**

2. Sylvia Haas, Henri Bounameaux, Alfredo E Farjat, Walter Ageno, Jeffrey I Weitz, Samuel Z. Goldhaber, Alexander GG Turpie, Shinya Goto, Pantep Angchaisuksiri, Peter MacCallum, Hugo Ten Cate, Elizaveta Panchenko, Marc Carrier, Carlos Jerjes Sanchez Diaz, Harry Gibbs, Petr Jansky, Gloria Kayani, Sebastian Schellong, Paolo Prandoni, Ajay K Kakkar, on behalf of the GARFIELD-VTE investigators. **Comparative effectiveness of oral anticoagulants in venous thromboembolism: On-treatment analysis in GARFIELD-VTE.**

3. Alfredo E Farjat, Keith AA Fox, Alexander GG Turpie, Samuel Z Goldhaber, Henri Bounameaux, Paolo Prandoni, Jeffrey I Weitz, Gloria Kayani, Pantep Angchaisuksiri, Sylvia Haas, Sebastian Schellong, Walter Ageno, Shinya Goto, Elizaveta Panchenko, Chern-En Chiang, Carlos Jerjes Sanchez Diaz, Juan Muntaner, Peter Verhamme, Eric Tse, and Ajay K Kakkar, on behalf of the GARFIELD-VTE investigators. **Prediction of mortality in recently diagnosed venous thromboembolism patients: The GARFIELD-VTE Mortality Risk Model.**

2020

International Society on Thrombosis and Haemostasis Congress (Milan, Italy, 12–14 July 2022)

1. Shinya Goto, Alexander GG Turpie, Alfredo E. Farjat, Jeffrey I. Weitz, Sylvia Haas, Walter Ageno, Samuel Z. Goldhaber, Pantep Angchaisuksiri, Joern Dalsgaard Nielsen, Gloria Kayani, Peter MacCallum, Sebastian Schellong, Henri Bounameaux, Lorenzo G Mantovani, Paolo Prandoni, Ajay K Kakkar, on behalf of the GARFIELD-VTE investigators. **The Influence of Anemia on Clinical Outcomes in Venous Thromboembolism: Results from GARFIELD-VTE.**

2. Omri Cohen, Walter Ageno, Alfredo E. Farjat, Alexander GG Turpie, Jeffrey I Weitz, Sylvia Haas, Shinya Goto, Samuel Z Goldhaber, Pantep Angchaisuksiri, Harry Gibbs, Peter MacCallum, Joern Dalsgaard Nielsen, Gloria Kayani, Sebastian Schellong, Henri Bounameaux, Lorenzo G Mantovani, Paolo Prandoni, Ajay K Kakkar, on behalf of the GARFIELD-VTE investigators**. Management strategies and clinical outcomes in patients with inferior vena cava thrombosis: Data from the GARFIELD-VTE registry.**

3. Jeffrey I. Weitz, Walter Ageno, Alfredo E. Farjat, Alexander GG Turpie, Sylvia Haas, Shinya Goto6, Samuel Z. Goldhaber, Pantep Angchaisuksiri, Harry Gibbs, Peter MacCallum, Marc Carrier, Joern Dalsgaard Nielsen, Gloria Kayani, Sebastian Schellong, Henri Bounameaux, Lorenzo G Mantovani, Paolo Prandoni, Ajay K Kakkar, on behalf

of the GARFIELD-VTE investigators. **Influence of body mass index on outcomes in patients with venous thromboembolism: Insights from GARFIELD-VTE.**

4. Carlos Jerjes-Sánchez, David Rodriguez, Alfredo E. Farjat, Gloria Kayani, Peter MacCallum, Renato D. Lopes, Alexander G. G. Turpie, Jeffrey I. Weitz, Sylvia Haas, Walter Ageno, Shinya Goto8, Samuel Z. Goldhaber, Pantep Angchaisuksiri, Joern Dalsgaard Nielsen, Sebastian Schellong, Henri Bounameaux, Lorenzo G Mantovani Paolo Prandoni, Ajay K Kakkar, on behalf of the GARFIELD-VTE investigators. **Pregnancy-associated venous thromboembolism: Insights from GARFIELD-VTE.**

2019

International Society on Thrombosis and Haemostasis Congress (Melbourne, Australia, 6–10 July 2019)

GARFIELD-VTE Symposium

1. Ageno W, Gibbs H, Turpie AGG, Weitz JI, Jacobson B, Kakkar AK, on behalf of the GARFIELD-VTE investigators. **Understanding the Outcomes of Anticoagulation: Insights from the GARFIELD Registries.**

2. Angchaisuksiri P, Bang SM, Fryk H, Chiang CE, Jing ZC, Wang S, Kondo K, Sathar J, Tse E, Goto S, Kakkar AK. **Venous thromboembolism in Asia and worldwide: Emerging insights from GARFIELD-VTE.**

3. Prandoni P, Turpie AGG, Farjat AE, Weitz JI, Haas S, Ageno W, Goldhaber SZ, Goto S, Angchaisuksiri P, Nielsen JD, Kayani G, Schellong S, Bounameaux H, Mantovani LG, Kakkar AK. **Gender-related differences in venous thromboembolism patients: GARFIELD-VTE.**

4. Goto S, Turpie AGG, Zaghdoun A, Weitz JI, Haas S, Ageno W, Goldhaber SZ, Angchaisuksiri P, Nielsen JD, Kayani G, Schellong S, Bounameaux H, Mantovani LG, Prandoni P, Kakkar AK. **The influence of renal impairment on clinical outcomes in venous thromboembolism patients enrolled in GARFIELD-VTE.**

63rd Annual Meeting of the Society of Thrombosis and Haemostasis Research (GTH) (Berlin, Germany, 27 February–2 March 2019)

GARFIELD-VTE Symposium

1. Haas S, Ageno W, Darius H, Kayani G, Pieper K, Turpie AGG, Schellong S, Weitz JI, Kakkar AK, on behalf of the GARFIELD-VTE Steering Committee. **Management of venous thromboembolism (VTE) in routine clinical practice - Results from the global GARFIELD-VTE registry.**

2018

10th Congress for the Asian-Pacific Society on Thrombosis and Hemostasis (APSTH) (Sapporo, Japan, 28–30 June 2018)

1. Angchaisuksiri P, MacCallum P, Ageno W, Haas S, Bounameaux H, Goldhaber SZ, Bouliotis G, Kayani G, Dalsgaard Nielsen J, Mantovani LG, Schellong S, Turpie AGG, Prandoni P, Weitz JI, Goto S, Kakkar AJ. **Venous thromboembolism in Asia and worldwide: Emerging insights from the GARFIELD-VTE registry.**

2017

International Society on Thrombosis and Haemostasis Congress (Berlin, Germany, 8–13 July 2017)

1. Ageno W, McCallum P, Haas S, Weitz JI, Angchaisuksiri P, Bounameaux H, Goldhaber SZ, Goto S, Kayani G, Dalsgaard Nielsen J, Mantovani LG, Schellong S, Turpie AGG, Prandoni P, Kakkar AK, on behalf of GARFIELD-VTE investigators. **Clinical characteristics and management of patients with a confirmed diagnosis of venous thromboembolism: the GARFIELD VTE Registry.**

2. Turpie AGG, Haas S, Weitz JI, Ageno W, Angchaisuksiri P, Bounameaux H, Goldhaber SZ, Goto S, Kayani G, Dalsgaard Nielsen J, Schellong S, Mantovani LG, Prandoni P, Kakkar AK, on behalf of GARFIELD-VTE investigators. **6 month outcomes of patients: Results from GARFIELD VTE.**

3. Haas S, Turpie AGG, Weitz JI, Ageno W, Angchaisuksiri P, Bounameaux H, Goldhaber S, Goto S, Kayani G, Dalsgaard Nielsen J, Schellong S, Mantovani LG, Prandoni P, Kakkar AK, on behalf of GARFIELD-VTE investigators. **Anticoagulation treatment patterns of venous thromboembolism in GARFIELD VTE patients.**

4. Weitz JI, Turpie AGG, Haas S, Ageno W, Angchaisuksiri P, Bounameaux H, Goldhaber S, Goto S, Kayani G, Dalsgaard Nielsen, Schellong S, Mantovani LG, Prandoni P, Kakkar AK, on behalf of GARFIELD-VTE investigators. **Clinical characteristics and treatments of patients with cancer associated venous thromboembolism: Results from GARFIELD VTE registry.**

Abstract

2019

International Society on Thrombosis and Haemostasis Congress (Melbourne, Australia, 6–10 July 2019)

1. Petralia G, Farjat AE, Fryk H, Kakkar AK, on behalf of the PERCEIVE investigators. **Prospective Registry of Cancer and Events Involving Venous Thromboembolism (PERCEIVE): 12 month outcomes.**