



## BIBLIOGRAPHY

- Ababneh, M.A., Karem, S.I.A., Abeer, H.A., Rababa, M., Warfarin, J.Á.K.Á.M.- Á., 2016. Adherence in outpatients taking warfarin and its effect on anticoagulation control in Jordan. *International Journal of Clinical Pharmacy* 38: 816–821. doi:10.1007/s11096-016-0282-9
- Adam, 2012. Comparative Effectiveness of Warfarin and Newer Oral Anticoagulants for the Long-term Prevention and Treatment of Arterial and Venous Thromboembolism, Department of Veterans Affairs Health Services Research & Development Service.
- Ahmed, H., Saddouh, E.A., Abugrin, M.E., Ali, A.M.M., Elghafari, E.O., Khaled, A., Tarek, A., Elhadi, M., 2021. Association between Patients' Knowledge and Adherence to Anticoagulants, and Its Effect on Coagulation Control. *Pharmacology* 106: 265–274. doi:10.1159/000511754
- Ahmed, N.O., Osman, B., Abdelhai, Y.M., El-, T.M.H., 2016. Clinical Pharmacist's Education Improved Patient Knowledge about and Adherence to Warfarin. *World Journal of Pharmaceutical and Medical Research* 2: 217–220.
- Alphonsa, Annu., Sharma, Kamlesh K., Sharma, G., Bhatia, R., 2015. Knowledge Regarding Oral Anticoagulation Therapy among Patients with Stroke and Those at High Risk of Thromboembolic Events. *Journal of Stroke and Cerebrovascular Diseases* 24: 668–672. doi:10.1016/j.jstrokecerebrovasdis.2014.11.007
- Anghel, L.A., Farcas, A.M., Oprean, R.N., 2019. An overview of the common methods used to measure treatment adherence. *Medicine and Pharmacy Reports* 92: 117–122. doi:10.15386/mpr-1201
- Ansell, J., Hirsh, J., Poller, L., 2004. The Pharmacology and Management of the Vitamin K Antagonists The Seventh ACCP Conference on Antithrombotic and Thrombolytic. *Chest* 126: 204S-233S. doi:10.1378/chest.126.3
- Arnsten, J.H., Gelfand, J.M., Singer, D.E., 1997. Determinants of Compliance with Anticoagulation : 11–17.
- Awwad, O., Akour, A., Al-Muhaissen, S., Morisky, D., 2015. The influence of patients' knowledge on adherence to their chronic medications: a cross- sectional study in Jordan. *International Journal of Clinical Pharmacy* 37: 504– 510. doi:10.1007/s11096-015-0086-3
- Badan Pusat Statistik, 2020. Potret Pendidikan Indonesia.
- Baker, J., 2011. INR Goal Attainment and Oral Anticoagulation Knowledge of Patients



Enrolled in an Anticoagulation Clinic in a Veterans Affairs Medical Center 17: 133–142.

Balkhi, B., Al-rasheedi, M., Ibrahim, A., Alghamadi, A., 2018. Association between satisfaction with and adherence to warfarin therapy on the control of international normalized ratio : A hospital-based study in Saudi Arabia. *SaudiPharmaceutical Journal* 26: 145–149. doi:10.1016/j.jsps.2017.11.010

Barcelona, D., Paolo Contu, Marongiu, F., 2002. Patient Education and Oral Anticoagulant Therapy. *Hematologica* 87: 1081–1086.

Barnes, G.D., Nallamothu, B.K., Sales, A.E., Froehlich, J.B., 2016. Reimagining Anticoagulation Clinics in the Era of Direct Oral Anticoagulants. *Circulation: Cardiovascular Quality and Outcomes* 9: 182–185. doi:10.1161/CIRCOUTCOMES.115.002366

Chen, L., Yang, X., Fu, L., Liu, X., Yuan, C., 2019. Using the Extended Parallel Process Model to Examine the Nature and Impact of Breast Cancer PreventionInformation on Mobile-Based Social Media: Content Analysis. *JMIR Mhealth Uhealth* 7. doi:10.2196/13987

Chen, P., Wang, T., Hsieh, M., Liu, J., Liu, C., Wang, K., Laio, W., 2019. Anticoagulation adherence and its associated factors in patients with atrial fibrillation: a cross-sectional study. *BMJ Open*. doi:10.1136/bmjopen-2019-029974

Chen, P.T., Wang, T.J., Hsieh, M.H., Liu, J.C., Liu, C.Y., Wang, K.Y., Laio, W.C., 2019. Anticoagulation adherence and its associated factors in patients with atrial fibrillation: A cross-sectional study. *BMJ Open* 9. doi:10.1136/bmjopen-2019-029974

Chenot, Jean-françois., Hua, Thanh Duc., Abed, Manar Abu., Schneider-rudt, Hannelore., Friede, T., Schneider, Simon., Vormfelde, S.V., 2014. Safety relevant knowledge of orally anticoagulated patients without self-monitoring :a baseline survey in primary care. *Bio Med Central Family Practice* 1–8.

Chi, P.E., Tsao, H.M., Tsai, C.H., 2020. Discrepancy among self-reported adherence, prescription refills, and actual anticoagulant control. *Journal of Nursing Research* 28: 1–8. doi:10.1097/jnr.0000000000000374

Clarissa de Borba Henn, Eneida Rejane Rabelo, Marta Boaz, Emiliane Nogueira de Souza, 2008. Knowledge on chronic oral anticoagulation of patients followedup in a specialized outpatient clinic. *Rev Gaucha Enferm* . 2.

Conn, V.S., Ruppar, T.M., 2018. Medication adherence outcomes of 771 intervention trials: systematic review and meta-analysis. *Prev Med.* 269–276. doi:10.1016/j.ypmed.2017.03.008.Medication



- Cruess, D.G., Localio, A.R., Platt, A.B., Brensinger, C.M., Christie, J.D., Gross, R., Parker, C.S., Price, M., Metlay, J.P., Cohen, A., Newcomb, C.W., Strom, B.L., Kimmel, S.E., 2010. Patient Attitudinal and Behavioral Factors Associated with Warfarin Non-adherence at Outpatient Anticoagulation Clinics. *International Society Of Behavioral Medicine* 2009 17: 33–42. doi:10.1007/s12529-009-9052-6
- Damme, S. Van, Deyk, K. Van, Budts, W., Verhamme, P., Moons, P., 2011. Patient knowledge of and adherence to oral anticoagulation therapy after mechanical heart-valve replacement for congenital or acquired valve defects. *Heart and Lung The Journal of Acute and Critical Care* 40: 139–146. doi:10.1016/j.hrtlng.2009.11.005
- Davies, M., Macdowall, W., Editors, S., Black, N., Raine, R., 2019. Health Promotion Theory.
- Diana M. Rydberg, Marie Linder, Rickard E. Malmström, Andersen, M., 2020. Risk factors for severe bleeding events during warfarin treatment: the influence of sex, age, comorbidity and co-medication. *European Journal of Clinical Pharmacology* 76: 867–876. doi:10.1007/s00228-020-02856-6
- Dijkmans, A.C., Zacarías, N.V.O., Burggraaf, J., Mouton, J.W., Wilms, E.B., van Nieuwkoop, C., Touw, D.J., Stevens, J., Kamerling, I.M.C., 2017. Fosfomycin: Pharmacological, clinical and future perspectives. *Antibiotics* 6: 1–17. doi:10.3390/antibiotics6040024
- Ek, S., 2013. Gender differences in health information behaviour: A Finnish population-based survey. *Health Promotion International* 30: 736–745. doi:10.1093/heapro/dat063
- Farsad, B.F., Dastan, F., Salamzadeh, J., Moghadamnia, Z., Eskandari, R., Fahimi,F., 2019. Assessment of outpatients' knowledge and adherence on warfarin: The impact of a simple educational pamphlet. *Iranian Journal of Pharmaceutical Research* 18: 315–320. doi:10.22037/ijpr.2020.14766.12641
- Gast, A., Mathes, T., 2019. Medication adherence influencing factors - An (updated) overview of systematic reviews. *Systematic Reviews*. doi:10.1186/s13643-019-1014-8
- Gazmararian, J.A., Kripalani, S., Miller, M.J., Echt, K. V., Ren, J., Rask, K., 2006. Factors associated with medication refill adherence in cardiovascular-related diseases: A focus on health literacy. *Journal of General Internal Medicine* 21:1215–1221. doi:10.1111/j.1525-1497.2006.00591.x
- Hart, R.G., Pearce, L.A., Aguilar, M.I., 2007. Meta-analysis: Antithrombotic therapy to prevent stroke in patients who have nonvalvular atrial fibrillation. *Annals of Internal Medicine*. doi:10.7326/0003-4819-146-12-200706190-00007
- Hasan, S.S., Sunter, W., Ahmed, N., Royle-Pryor, A., Brkic, A., Ahmed, R., Afzal,S.,



Babar, Z.U.D., 2019. A comparison of warfarin monitoring service models. *Research in Social and Administrative Pharmacy* 15: 1236–1242. doi:10.1016/j.sapharm.2018.10.029

Heidbuchel, H., Verhamme, P., Alings, M., Antz, M., Diener, H.C., Hacke, W., Oldgren, J., Sinnaeve, P., Camm, A.J., Kirchhof, P., 2015. Updated European Heart Rhythm Association Practical Guide on the use of non-Vitamin K antagonist anticoagulants in patients with non-valvular atrial fibrillation.

*Europace* 17: 1467–1507. doi:10.1093/europace/euv309

Hess, L.M., Raebel, M.A., Conner, D.A., Malone, D.C., 2006. Measurement of adherence in pharmacy administrative databases: A proposal for standard definitions and preferred measures. *Annals of Pharmacotherapy* 40: 1280–1288. doi:10.1345/aph.1H018

Hindricks, G., Potpara, T., Dagres, N., Bax, J.J., Boriani, G., Dan, G.A., Fauchier, L., Kalman, J.M., Lane, D.A., Lettino, M., Pinto, F.J., Thomas, G.N., Valgimigli, M., Van Putte, B.P., Kirchhof, P., Kühne, M., Aboyans, V., Ahlsson, A., Balsam, P., Bauersachs, J., Benussi, S., Brandes, A., Braunschweig, F., Camm, A.J., Capodanno, D., Casadei, B., Conen, D., Crijns, H.J.G.M., Delgado, V., Dobrev, D., Drexel, H., Eckardt, L., Fitzsimons, D., Folliguet, T., Gale, C.P., Gorenek, B., Haeusler, K.G., Heidbuchel, H., Jung, B., Katus, H.A., Kotecha, D., Landmesser, U., Leclercq, C., Lewis, B.S., Mascherbauer, J., Merino, J.L., Merkely, B., Mont, L., Mueller, C., Nagy, K.V., Oldgren, J., Pavlović, N., Pedretti, R.F.E., Petersen, S.E., Piccini, J.P., Popescu, B.A., Pürerfellner, H., Richter, D.J., Roffi, M., Rubboli, A., Scherr, D., Schnabel, R.B., Simpson, I.A., Shlyakhto, E., Sinner, M.F., Steffel, J., Sousa-Uva, M., Suwalski, P., Svetlosak, M., Touyz, R.M., Arbelo, E., Blomström-Lundqvist, C., Castella, M., Dilaveris, P.E., Filippatos, G., La Meir, M., Lebeau, J.P., Lip, G.Y.H., Neil Thomas, G., Van Gelder, I.C., Watkins, C.L., 2021. 2020 ESC Guidelines for the diagnosis and management of atrial fibrillation developed in collaboration with the European Association for Cardio-Thoracic Surgery (EACTS). *European Heart Journal* 42: 373–498. doi:10.1093/eurheartj/ehaa612

January, C.T., Wann, L.S., Calkins, H., Chen, L.Y., Cigarroa, J.E., Cleveland, J.C., Ellinor, P.T., Ezekowitz, M.D., Field, M.E., Furie, K.L., Heidenreich, P.A., Murray, K.T., Shea, J.B., Tracy, C.M., Yancy, C.W., 2019. 2019 AHA/ACC/HRS Focused Update of the 2014 AHA/ACC/HRS Guideline for the Management of Patients With Atrial Fibrillation: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines and the Heart R. *Circulation* 140: e125–e151. doi:10.1161/CIR.0000000000000665

Jin, J., Sklar, G.E., Min, V., Oh, S., 2008. Factors affecting therapeutic compliance :A review from the patient's perspective 4: 269–286.



Kachroo, S., Hamilton, M., Liu, X., Pan, X., Brixner, D., Marrouche, N., Biskupiak,J., 2016. Oral Anticoagulant Discontinuation in Patients. *THE AMERICAN JOURNAL OF MANAGED CARE* 22: 1–8.

Katritsis, D.G., Gersh, B.J., John Camm, A., 2015. Anticoagulation in atrial fibrillation current concepts. *Arrhythmia and Electrophysiology Review* 4: 100–107. doi:10.15420/aer.2015.04.02.100

Katzung, B.G., 2018. Basic & Clinical Pharmacology, Fourteenth Edition, Basic and Clinical Pharmacology.

Kementrian Kesehatan Republik Indonesia, 2018. Riset Kesehatan Dasar [WWW Document]. *Riskerdas*.

Khan, T.I., Kamali, F., Kesteven, P., Avery, P., Wynne, H., 2004. The value of education and self-monitoring in the management of warfarin therapy in olderpatients with unstable control of anticoagulation. *British Journal of Haematology* 126: 557–564. doi:10.1111/j.1365-2141.2004.05074.x

Khudair, I., Corporation, H.M., Hanssens, Y., 2010. Evaluation of patient knowledge on warfarin in outpatient anticoagulation clinics in a teaching hospital in Qatar.

Kim, J.H., Kim, G.S., Kim, E.J., Park, S., Chung, N., Chu, S.H., 2011. Factors affecting medication adherence and anticoagulation control in Korean patients taking warfarin. *Journal of Cardiovascular Nursing* 26: 466–474. doi:10.1097/JCN.0b013e31820914e7

Kimmel, S.E., Chen, Z., Price, M., Parker, C.S., Metlay, J.P., Christie, J.D.,Bren singer, C.M., Newcomb, C.W., Samaha, F.F., Gross, R., 2007. Theinfluence of patient adherence on anticoagulation control with warfarin: Results from the international normalized ratio adherence and genetics (IN- RANGE) study. *Archives of Internal Medicine* 167: 229–235. doi:10.1001/archinte.167.3.229

Korkmaz, F.D., Alcan, A.O., Karacabay, K., 2015. Do patients with mechanical heart valves have the appropriate knowledge regarding warfarin therapy and can they adhere to the correct dosage ? 23: 58–65. doi:10.5606/tgkdc.dergisi.2015.10390

Kornej, J., Börschel, C.S., Börschel, C.S., Benjamin, E.J., Benjamin, E.J., Schnabel,R.B., Schnabel, R.B., 2020. Epidemiology of Atrial Fibrillation in the 21st Century: Novel Methods and New Insights. *Circulation Research* 4–20. doi:10.1161/CIRCRESAHA.120.316340

Krigsman, K., Melander, A., Carlsten, A., Ekedahl, A., Nilsson, J.L.G., 2007. Refillnon-adherence to repeat prescriptions leads to treatment gaps or to high extra costs. *Pharmacy World and Science* 29: 19–24. doi:10.1007/s11096-005-4797-8

Lam, W.Y., Fresco, P., 2015. Medication Adherence Measures: An Overview. *BioMed Research International* 2015. doi:10.1155/2015/217047.



Lau, J.F., Barnes, G.D., Streiff, M.B., 2018. Anticoagulation therapy, Anticoagulation Therapy. doi:10.1007/978-3-319-73709-6

Li, Xingang., Sun, Shusen ., Wang, Qiaoyu., Chen, Buxing., Zhao, Zhigang., Xu, X., 2018. Assessment of patients' Warfarin Knowledge and Anticoagulation Control at a Joint Physician-and Pharmacist-Managed Clinic in China. *PatientPreference and Adherence* 12: 783–791. doi:10.2147/PPA.S156734

Matalqah, L.M.A., 2012. Knowledge, Adherence, and Quality of Life among Warfarin Therapy Users. *InTechOpen* 1–24.doi:10.1016/j.colsurfa.2011.12.014

Mavri, Alenka., Fernandez Nina Ostasevski., Kramaric, Anja., Kosmelj, K., 2015. New educational approach for patients on warfarin improves knowledge and therapy control. *The Central European Journal of Medicine* 127: 472–476. doi:10.1007/s00508-015-0713-y

Mayet, A.Y., 2016. Patient adherence to warfarin therapy and its impact on anticoagulation control. *Saudi Pharmaceutical Journal* 24: 29–34. doi:10.1016/j.jsps.2015.02.005

Mosca, L., Barrett-Connor, E., Kass Wenger, N., 2011. Sex/gender differences in cardiovascular disease prevention: What a difference a decade makes. *Circulation* 124: 2145–2154. doi:10.1161/CIRCULATIONAHA.110.968792

Naderiravesh, N., Bahadoram, S., Shiri, H., Anbohi, S.Z., Khodakarim, S., 2015. Examining the correlation of adherence to warfarin therapy with demographic characteristic 8: 103–108.

Ng, K.H., Hart, R.G., Eikelboom, J.W., 2013. Anticoagulation in Patients Aged  $\geq$ 75years with Atrial Fibrillation: Role of Novel Oral Anticoagulants. *Cardiology and Therapy* 2: 135–149. doi:10.1007/s40119-013-0019-y

Nishimura, R.A., Otto, C.M., Bonow, R.O., Carabello, B.A., Erwin, J.P., Fleisher, L.A., Jneid, H., Mack, M.J., McLeod, C.J., O'Gara, P.T., Rigolin, V.H., Sundt, T.M., Thompson, A., 2017. 2017 AHA/ACC Focused Update of the 2014 AHA/ACC Guideline for the Management of Patients with Valvular Heart Disease: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines, *Circulation*. doi:10.1161/CIR.0000000000000503

Nybo, M.S., Skov, J., 2016. Patient knowledge of anticoagulant treatment does not correlate with treatment quality. *Public Health* 141: 17–22. doi:10.1016/j.puhe.2016.08.006

Ogston, S. A. Lemeshow, S., Hosmer, D. W., Klar, J., Lwanga, S.K., 1991. Adequacy of Sample Size in Health Studies. *Biometrics* 47: 347. doi:10.2307/2532527

Osterberg, L., Blaschke, T., 2015. Adherence to medication. *The new england journal of medicine* 353: 487–497. doi:10.1056/nejm200511033531819



Ozturk, M., Ipekci, A., Kiyak, S.K., Akdeniz, Y.S., Aydin, Y., Ikizceli, I., Sogut, O., 2019. Bleeding Complications in Warfarin-Treated Patients Admitted to the Emergency Department. *Journal of Clinical Medicine Research* 11: 106– 113. doi:10.14740/jocmr3669

Pagano, M.B., Chandler, W.L., 2012. Bleeding risks and response to therapy in patients with INR higher than 9. *American Journal of Clinical Pathology* 138:546–550. i:10.1309/AJCPJ2GMDS7BXLEOPark, Y.K., Lee, M.J., Kim, J.H., Lee, J.S., Park, R.W., Kim, G.M., Chung, C.S.,

Lee, K.H., Kim, J.S., Lee, S.Y., Bang, O.Y., 2017. Genetic and Non-Genetic Factors Affecting the Quality of Anticoagulation Control and Vascular Events in Atrial Fibrillation. *Journal of Stroke and Cerebrovascular Diseases* 26: 1383–1390. doi:10.1016/j.jstrokecerebrovasdis.2017.02.022

PERKI, 2019. Press Release, World Heart Day PERKI 2019 - News & Event – Perhimpunan Dokter Spesialis Kardiovaskuler Indonesia (PERKI) [WWW Document]. URL [http://www.inaheart.org/news\\_and\\_events/news/2019/9/26/press\\_release\\_world\\_heart\\_day\\_perki\\_2019](http://www.inaheart.org/news_and_events/news/2019/9/26/press_release_world_heart_day_perki_2019)

Platt, A.B., Localio, A.R., Brensinger, C.M., Cruess, D.G., Christie, J.D., Gross, R., Parker, C.S., Price, M., Metlay, J.P., Cohen, A., Newcomb, C.W., Strom, B.L., Laskin, M.S., Kimmel, S.E., 2008. Risk factors for nonadherence to warfarin: Results from the IN-RANGE study. *Pharmacoepidemiology and Drug Safety* 17: 853–860. doi:10.1002/pds.1556

Putriana, N.A., Lestari, K., Barliana, M.I., Hartini, S., 2017. Effects of pharmacist counseling on compliance and international normalized ratio score on outpatients receiving warfarin at dr. Hasan Sadikin Bandung Hospital West Java, Indonesia. *Asian Journal of Pharmaceutical and Clinical Research* 10: 72–75. doi:10.22159/ajpcr.2017.v10s2.19492

Rahmani, P., Guzman, C., Kezouh, A., Blostein M., K.S., 2016. Association between patient knowledge of anticoagulation, INR control, and warfarin-related adverse events. *Journal of Pharmacy Technology* 32: 150–159. doi:10.1177/8755122516644622

Rahmani, Poupaik., Guzman, Charlotte., Kezouh, Abbas., Blosteein Mark., K.S.R., 2016. Association Between Patient Knowledge of Anticoagulation, INR Control, and Warfarin-Related Adverse Events. *Journal of Pharmacy Technology* 32: 150–159. doi:10.1177/8755122516644622

Robert-Ebadi, H., Righini, M., 2010. Anticoagulation in the elderly. *Pharmaceuticals* 3: 3543–3569. doi:10.3390/ph3123543

Roche Nagle, G., Chambers, F., Nanra, J., Bouchier-Hayes, D., Young, S., 2003. Evaluation of patient knowledge regarding oral anticoagulants. *Irish medical journal* 96: 211–213.



Rodríguez-bernal, C.L., García-sempere, A., Hurtado, I., Santa-ana, Y., Peiró, S., Sanfélix-gimeno, G., 2018. Real-world adherence to oral anticoagulants in atrial fibrillation patients : a study protocol for a systematic review and meta- analysis. *BMJ Open* 1–10. doi:10.1136/bmjopen-2018-025102

Rolls, C.A., Obamiro, K.O., Chalmers, L., Bereznicki, L.R.E., 2017. The relationship between knowledge , health literacy , and adherence amongpatients taking oral anticoagulants for stroke thromboprophylaxis in atrial fibrillation. *Cardiovascular therapeutic* 1–9. doi:10.1111/1755-5922.12304

Rose, A., 2015. Anticoagulation Management A Guidebook for Pharmacists. doi:10.1007/978-3-319-22602-6

S. Jank, T. Bertsche, W. Herzog, W.E.H., 2008. Patient knowledge on oral anticoagulants: results of a questionnaire survey in Germany and comparison with the literature. *Int. Journal of Clinical Pharmacology and Therapeutics* 46. doi:10.5414/CPP46280

Schaefer, J.K., Li, Y., Gu, X., Souphis, N.M., Haymart, B., Kline-rogers, E., Almany, S.L., Kaatz, S., Kozlowski, J.H., Krol, G.D., Sood, S.L., Froehlich, J.B., Barnes, G.D., 2019. Association of Adding Aspirin to Warfarin TherapyWithout an Apparent Indication With Bleeding and Other Adverse Events. *JAMA Internal Medicine* 48109: 533–541. doi:10.1001/jamainternmed.2018.7816

Sha, Z., Shen, Y., Zhang, D., Shi, J., Wang, Z., Li, M., Chen, M., 2021. The Joint Physician - and Pharmacist - Managed Anticoagulation Clinic is Aiming to Improve Warfarin Management in Outpatients with Atrial Fibrillation in China : A Prospective Observational Study 67–72. doi:10.4103/ijhr.ijhr

Shilbayeh, S.A.R., Almutairi, W.A., Alyahya, S.A., Alshammari, N.H., Shaheen, E., Adam, A., 2018. Validation of knowledge and adherence assessment toolsamong patients on warfarin therapy in a Saudi hospital anticoagulant clinic. *International Journal of Clinical Pharmacy* 40: 56–66. doi:10.1007/s11096- 017-0569-5

Shrestha, Sweta., Sapkota, Binaya., Kumpakha, Anjana., Acharya, Upasana., Sharma, R., 2015. Evaluation of patients ' knowledge on warfarin in outpatientpharmacy of a tertiary care cardiac center. *Bio Med Central Research Notes* 1–5. doi:10.1186/s13104-015-1416-1

Shuaib, W., Iftikhar, H., Alweis, R., Shahid, H., 2014. Warfarin therapy: Survey of patients' knowledge of their drug regimen. *Malaysian Journal of Medical Sciences* 21: 37–41.

Siliste, R.N., Antohi, E.L., Pepoyan, S., Nakou, E., Vardas, P., 2018. Anticoagulation in heart failure without atrial fibrillation: gaps and dilemmas in current clinical practice. *European Journal of Heart Failure* 20: 978–988. doi:10.1002/ejhf.1153

Suzuki, T., Shiga, T., Omori, H., 2017. Adherence to medication and characteristicsof Japanese patients with non-valvular atrial fibrillation. *Journal of Cardiology* 70: 238–243. doi:10.1016/j.jcc.2016.11.009



The Joint Commission, 2020. National Patient Safety Goals Effective July 2020 for the Hospital Program *The Joint Commission*. URL

[https://www.jointcommission.org/-/media/tjc/documents/standards/national-patient-safety-goals/2020/npsg\\_chapter\\_hap\\_jul2020.pdf](https://www.jointcommission.org/-/media/tjc/documents/standards/national-patient-safety-goals/2020/npsg_chapter_hap_jul2020.pdf) (accessed 7.14.20).

Tülek, Z., Dünya, C.P., Çiftçioğlu, R.R., Dereci, H., 2019. Determination of factors that impact adherence to warfarin in patients with stroke. *Turk Noroloji Dergisi* 25: 146–152. doi:10.4274/tnnd.galenos.2019.08068

Viola, R., Fekete, H., Csoka, I., 2017. Patients' knowledge on oral anticoagulant treatment in Hungary. *International Journal of Clinical Pharmacy* 39: 1265–1272. doi:10.1007/s11096-017-0544-1

Wang, Ye., Kong, Ming Chai., Lee, Lai Heng., Ng, H.J., Ko, Y., 2014. Knowledge, satisfaction, and concerns regarding warfarin therapy and their association with warfarin adherence and anticoagulation control. *Thrombosis Research* 133: 550–554. doi:10.1016/j.thromres.2014.01.002

Wang, Y., Chai, M., Heng, L., Joo, H., Ko, Y., 2014. Knowledge, satisfaction, and concerns regarding warfarin therapy and their association with warfarin adherence and anticoagulation control 133: 550–554. doi:10.1016/j.thromres.2014.01.002

Wang, Y., Kong, M.C., Ko, Y., 2013. Comparison of three medication adherence measures in patients taking warfarin. *Journal of Thrombosis and Thrombolysis* 36: 416–421. doi:10.1007/s11239-013-0872-5

Whittlesea, C., Hodson, K., 2019. Clinical Pharmacy and Therapeutics, 6th ed. ELSEVIER.

Wieloch, M., Sjlander, A., Frykman, V., Rosenqvist, M., Eriksson, N., Svensson, P.J., 2011. Anticoagulation control in Sweden: Reports of time in therapeutic range, major bleeding, and thrombo-embolic complications from the national quality registry Auricula. *European Heart Journal* 32: 2282–2289. doi:10.1093/eurheartj/ehr134

World Health Organization, 2003. Adherence to Long Therapies. Evidence for Action.

Yahaya, A.H.M., Hassali, M.A.A., Awaisu, M.A., Shafie, A.A., 2009. Factors associated with warfarin therapy knowledge and anticoagulation control among patients attending a warfarin clinic in Malaysia. *Journal of Clinical and Diagnostic Research* 3: 1663–1670.

Yao, X., Abraham, N.S., Caleb Alexander, G., Crown, W., Montori, V.M., Sangaralingham, L.R., Gersh, B.J., Shah, N.D., Noseworthy, P.A., 2016. Effect of Adherence to Oral Anticoagulants on Risk of Stroke and Major Bleeding Among Patients With Atrial Fibrillation. *Journal of the American Heart Association* 5: 1–12. doi:10.1161/JAHA.115.003074

Yousif, T., Eltayeb, M., Suliman, M., 2016. Satisfaction with and adherence to warfarin treatment: A cross-sectional study among Sudanese patients. *Journal of the Saudi Heart Association* 29: 169–175. doi:10.1016/j.jsha.2016.10.007



Yu, C., Chen, R., Li, J.J., Li, J.J., Drahansky, M., Paridah, M., Moradbak, A., Mohamed, A., Owolabi, FolaLi, H. abdulwahab taiwo, Asniza, M., Abdul Khalid, S.H., Sharma, T., Dohare, N., Kumari, M., Singh, U.K., Khan, A.B., Borse, M.S., Patel, R., Paez, A., Howe, A., Goldschmidt, D., Corporation, C., Coates, J., Reading, F., 2012. Knowledge, Adherence, and Quality of Life among Warfarin Therapy Users. *Intech* 13. doi:10.1016/j.colsurfa.2011.12.014

Zahid, Ibrahim., Wajih, Syed., Hassan, Ul., Bhurya, Nida Sehar., Alam, Sheena Nadeem., Hasan, Choudhary Ahmed., Shah, B.H., Fatima, Fasiha Bakhtawar., Ahmed, Ayesha., Sabih, S., Hassan, Ul., Hayat, Javeria., Zulfiqar, Aqsa., Sheikh, Rija., Aziz, Momin., Siddiqi, R., 2020. Are patients on oral anticoagulation therapy aware of its effects ? A cross - sectional study from Karachi , Pakistan. *BioMed Central Research Notes* 1–8. doi:10.1186/s13104-020-05119-w

Zalesak, M., Siu, K., Francis, K., Yu, C., Alvrtsyan, H., Rao, Y., Walker, D., Sander, S., Miyasato, G., Matchar, D., Sanchez, H., 2013. Higher Persistence in Newly Diagnosed Nonvalvular Atrial Fibrillation Patients Treated With Dabigatran Versus Warfarin 567–574.  
doi:10.1161/CIRCOUTCOMES.113.000192

Zao, S., Zhao, H., Wang, X., Gao, C., Qin, Y., Cai, H., Chen, B., Cao, J., 2017. Factors influencing medication knowledge and beliefs on warfarin adherence among patients with atrial fibrillation in China. *Patient Preference and Adherence* 11: 213–220. doi:10.2147/PPA.S120962

Zhang, J., Chen, K., Zhang, S., 2015. Efficacy and Safety of Oral Anticoagulants Versus Aspirin for Patients With Atrial Fibrillation. *Medicine* 94: 1–9. doi:10.1097/MD.0000000000000409