

3. Farkowski MM, Karliński MA, Kaźmierczak J, et al. Statement by a Working Group conceived by the Polish National Consultants in Cardiology and Neurology addressing the use of implantable cardiac monitors in patients after ischaemic embolic stroke of undetermined source. *Neurol Neurochir Pol.* 2019; 53(3): 181–189, doi: [10.5603/PJNNS.a2019.0018](https://doi.org/10.5603/PJNNS.a2019.0018), indexed in Pubmed: [31145466](#).
4. GBD 2019 Stroke Collaborators. Global, regional, and national burden of stroke and its risk factors, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet Neurol.* 2021; 20(10): 795–820, doi: [10.1016/S1474-4422\(21\)00252-0](https://doi.org/10.1016/S1474-4422(21)00252-0), indexed in Pubmed: [34487721](#).
5. Polish National Health Fund DRG map for years 2021–2022. <http://www.sga.waw.pl/web/mapNFZ/index.html?w=0&z=0&o=0&j=83&k=2&y1=2021&y2=2022> (accessed: January 30, 2024).
6. Adams HP, Bendixen BH, Kappelle LJ, et al. Classification of subtype of acute ischemic stroke. Definitions for use in a multicenter clinical trial. TOAST. Trial of Org 10172 in Acute Stroke Treatment. *Stroke.* 1993; 24(1): 35–41, doi: [10.1161/01.str.24.1.35](https://doi.org/10.1161/01.str.24.1.35), indexed in Pubmed: [7678184](#).
7. Hart RG, Diener HC, Coutts SB, et al. Embolic strokes of undetermined source: the case for a new clinical construct. *Lancet Neurol.* 2014; 13(4): 429–438, doi: [10.1016/S1474-4422\(13\)70310-7](https://doi.org/10.1016/S1474-4422(13)70310-7), indexed in Pubmed: [24646875](#).
8. Bembeneck JP, Karlinski MA, Kurkowska-Jastrzebska I, et al. Embolic strokes of undetermined source in a cohort of Polish stroke patients. *Neurol Sci.* 2018; 39(6): 1041–1047, doi: [10.1007/s10072-018-3322-5](https://doi.org/10.1007/s10072-018-3322-5), indexed in Pubmed: [29556872](#).
9. Rubiera M, Aires A, Antonenko K, et al. European Stroke Organisation (ESO) guideline on screening for subclinical atrial fibrillation after stroke or transient ischaemic attack of undetermined origin. *Eur Stroke J.* 2022; 7(3): VI, doi: [10.1177/23969873221099478](https://doi.org/10.1177/23969873221099478), indexed in Pubmed: [36082257](#).
10. Healey JS, Gladstone DJ, Swaminathan B, et al. Recurrent stroke with rivaroxaban compared with aspirin according to predictors of atrial fibrillation: Secondary analysis of the NAVIGATE ESUS randomized clinical trial. *JAMA Neurol.* 2019; 76(7): 764–773, doi: [10.1001/jamaneurol.2019.0617](https://doi.org/10.1001/jamaneurol.2019.0617), indexed in Pubmed: [30958508](#).
11. Kotadia ID, Sim I, Mukherjee R, et al. Secondary stroke prevention following embolic stroke of unknown source in the absence of documented atrial fibrillation: A clinical review. *J Am Heart Assoc.* 2021; 10(13): e021045, doi: [10.1161/JAHA.121.021045](https://doi.org/10.1161/JAHA.121.021045), indexed in Pubmed: [34212774](#).
12. Sposato LA, Cipriano LE, Saposnik G, et al. Diagnosis of atrial fibrillation after stroke and transient ischaemic attack: a systematic review and meta-analysis. *Lancet Neurol.* 2015; 14(4): 377–387, doi: [10.1016/S1474-4422\(15\)00027-X](https://doi.org/10.1016/S1474-4422(15)00027-X), indexed in Pubmed: [25748102](#).
13. Ko D, Dai Q, Flynn DB, et al. Meta-analysis of randomized clinical trials comparing the impact of implantable loop recorder versus usual care after ischemic stroke for detection of atrial fibrillation and stroke risk. *Am J Cardiol.* 2022; 162: 100–104, doi: [10.1016/j.amjcard.2021.09.013](https://doi.org/10.1016/j.amjcard.2021.09.013), indexed in Pubmed: [34756594](#).
14. Huang WY, Ovbiagele B, Hsieh CY, et al. Association between implantable loop recorder use and secondary stroke prevention: a meta-analysis. *Open Heart.* 2022; 9(1), doi: [10.1136/openhrt-2022-002034](https://doi.org/10.1136/openhrt-2022-002034), indexed in Pubmed: [35710291](#).
15. Svendsen JH, Diederichsen SZ, Højberg S, et al. Implantable loop recorder detection of atrial fibrillation to prevent stroke (The LOOP Study): A randomised controlled trial. *Lancet.* 2021; 398(10310): 1507–1516, doi: [10.1016/S0140-6736\(21\)01698-6](https://doi.org/10.1016/S0140-6736(21)01698-6), indexed in Pubmed: [34469766](#).
16. Hindricks G, Potpara T, Dagres N, et al. 2020 ESC Guidelines for the diagnosis and management of atrial fibrillation developed in collaboration with the European Association for Cardio-Thoracic Surgery (EACTS). *Eur Heart J.* 2021; 42(5): 373–498, doi: [10.1093/eurheartj/ehaa612](https://doi.org/10.1093/eurheartj/ehaa612), indexed in Pubmed: [32860505](#).
17. Blażejewska-Hyżorek B, Czernuszenko A, Czlonkowska A, et al. Wytyczne postępowania w udarze mózgu. *Polski Przegląd Neurologiczny.* 2019; 15(Suppl. A): 1–164, doi: [10.5603/ppn.2019.0001](https://doi.org/10.5603/ppn.2019.0001).
18. Ahluwalia N, Graham A, Honarbakhsh S, et al. Contemporary practice and optimising referral pathways for implantable cardiac monitoring for atrial fibrillation after cryptogenic stroke. *J Stroke Cerebrovasc Dis.* 2022; 31(7): 106474, doi: [10.1016/j.jstrokecerebrovasdis.2022.106474](https://doi.org/10.1016/j.jstrokecerebrovasdis.2022.106474), indexed in Pubmed: [35544977](#).

REFERENCES

1. Brignole M, Vardas P, Hoffman E, et al. Indications for the use of diagnostic implantable and external ECG loop recorders. *Europace.* 2009; 11(5): 671–687, doi: [10.1093/europace/eup097](https://doi.org/10.1093/europace/eup097), indexed in Pubmed: [19401342](#).
2. Bisognani A, De Bonis S, Mancuso L, et al. Implantable loop recorder in clinical practice. *J Arrhythm.* 2019;35(1): 25–32, doi: [10.1002/joa3.12142](https://doi.org/10.1002/joa3.12142), indexed in Pubmed: [30805041](#).

19. Goldberger ZD, Petek BJ, Brignole M, et al. ACC/AHA/HRS versus ESC Guidelines for the Diagnosis and Management of Syncope: JACC Guideline Comparison. *J Am Coll Cardiol.* 2019; 74(19): 2410–2423, doi: [10.1016/j.jacc.2019.09.012](https://doi.org/10.1016/j.jacc.2019.09.012), indexed in Pubmed: [31699282](#).
20. Rivasi G, Ungar A, Moya A, et al. Syncope: new solutions for an old problem. *Kardiol Pol.* 2021; 79(10): 1068–1078, doi: [10.33963/KP.a2021.0138](https://doi.org/10.33963/KP.a2021.0138), indexed in Pubmed: [34668180](#).
21. Scheffer IE, Berkovic S, Capovilla G, et al. ILAE classification of the epilepsies: Position paper of the ILAE Commission for Classification and Terminology. *Epilepsia.* 2017; 58(4): 512–521, doi: [10.1111/epi.13709](https://doi.org/10.1111/epi.13709), indexed in Pubmed: [28276062](#).
22. Farwell DJ, Freemantle N, Sulke N. The clinical impact of implantable loop recorders in patients with syncope. *Eur Heart J.* 2006; 27(3): 351–356, doi: [10.1093/euroheartj/ehi602](https://doi.org/10.1093/euroheartj/ehi602), indexed in Pubmed: [16314338](#).
23. Krahn AD, Klein GJ, Yee R, et al. Randomized assessment of syncope trial. *Circulation.* 2001; 104(1): 46–51, doi: [10.1161/01.cir.104.1.46](https://doi.org/10.1161/01.cir.104.1.46).
24. Podoleanu C, DaCosta A, Defaye P, et al. Early use of an implantable loop recorder in syncope evaluation: a randomized study in the context of the French healthcare system (FRESH study). *Arch Cardiovasc Dis.* 2014; 107(10): 546–552, doi: [10.1016/j.acvd.2014.05.009](https://doi.org/10.1016/j.acvd.2014.05.009), indexed in Pubmed: [25241220](#).
25. Sulke N, Sugihara C, Hong P, et al. The benefit of a remotely monitored implantable loop recorder as a first line investigation in unexplained syncope: the EaSyAS II trial. *Europace.* 2016; 18(6): 912–918, doi: [10.1093/europace/euv228](https://doi.org/10.1093/europace/euv228), indexed in Pubmed: [26462702](#).
26. Padmanabhan D, Kancharla K, El-Harasis MA, et al. Diagnostic and therapeutic value of implantable loop recorder: A tertiary care center experience. *Pacing Clin Electrophysiol.* 2019; 42(1): 38–45, doi: [10.1111/pace.13533](https://doi.org/10.1111/pace.13533), indexed in Pubmed: [30357866](#).
27. Palmisano P, Guerra F, Aspromonte V, et al. Effectiveness and safety of implantable loop recorder and clinical utility of remote monitoring in patients with unexplained, recurrent, traumatic syncope. *Expert Rev Med Devices.* 2023; 20(1): 45–54, doi: [10.1080/17434440.2023.2168189](https://doi.org/10.1080/17434440.2023.2168189), indexed in Pubmed: [36631432](#).
28. Brignole M, Moya A, de Lange FJ, et al. 2018 ESC Guidelines for the diagnosis and management of syncope. *Eur Heart J.* 2018; 39(21): 1883–1948, doi: [10.1093/eurheartj/ehy037](https://doi.org/10.1093/eurheartj/ehy037), indexed in Pubmed: [29562304](#).
29. Shen WK, Sheldon RS, Benditt DG, et al. 2017 ACC/AHA/HRS guideline for the evaluation and management of patients with syncope: a report of the American College of Cardiology/American Heart Association task force on clinical practice guidelines and the Heart Rhythm Society. *Circulation.* 2017; 136(5): e60–e122, doi: [10.1161/CIR.0000000000000499](https://doi.org/10.1161/CIR.0000000000000499), indexed in Pubmed: [28280231](#).
30. Bezerides VJ, Walsh A, Martuscello M, et al. The real-world utility of the LINQ implantable loop recorder in pediatric and adult congenital heart patients. *JACC Clin Electrophysiol.* 2019; 5(2): 245–251, doi: [10.1016/j.jacep.2018.09.016](https://doi.org/10.1016/j.jacep.2018.09.016), indexed in Pubmed: [30784698](#).
31. Ergul Y, Tanidir IC, Ozyilmaz I, et al. Evaluation rhythm problems in unexplained syncope etiology with implantable loop recorder. *Pediatr Int.* 2015; 57(3): 359–366, doi: [10.1111/ped.12530](https://doi.org/10.1111/ped.12530), indexed in Pubmed: [25348219](#).
32. Gass M, Apitz C, Salehi-Gilani S, et al. Use of the implantable loop recorder in children and adolescents. *Cardiol Young.* 2006; 16(6): 572–578, doi: [10.1017/S1047951106001156](https://doi.org/10.1017/S1047951106001156), indexed in Pubmed: [17116271](#).
33. Kothari DS, Riddell F, Smith W, et al. Digital implantable loop recorders in the investigation of syncope in children: benefits and limitations. *Heart Rhythm.* 2006; 3(11): 1306–1312, doi: [10.1016/j.hrthm.2006.07.018](https://doi.org/10.1016/j.hrthm.2006.07.018), indexed in Pubmed: [17074636](#).
34. Rossano J, Bloemers B, Sreeram N, et al. Efficacy of implantable loop recorders in establishing symptom-rhythm correlation in young patients with syncope and palpitations. *Pediatrics.* 2003; 112(3 Pt 1): e228–e233, doi: [10.1542/peds.112.3.e228](https://doi.org/10.1542/peds.112.3.e228), indexed in Pubmed: [12949317](#).
35. Yoon JG, Fares M, Hoyt W, et al. Diagnostic accuracy and safety of confirm Rx™ insertable cardiac monitor in pediatric patients. *Pediatr Cardiol.* 2021; 42(1): 142–147, doi: [10.1007/s00246-020-02463-3](https://doi.org/10.1007/s00246-020-02463-3), indexed in Pubmed: [33033869](#).
36. Placidi S, Drago F, Milioni M, et al. Miniaturized implantable loop recorder in small patients: an effective approach to the evaluation of subjects at risk of sudden death. *Pacing Clin Electrophysiol.* 2016; 39(7): 669–674, doi: [10.1111/pace.12866](https://doi.org/10.1111/pace.12866), indexed in Pubmed: [27062386](#).
37. National Institute For Health And Care Excellence. *Transient Loss of consciousness (TLoC)* London, 2014.
38. COVID-19 coronavirus pandemic. <https://www.worldometers.info/coronavirus/> (accessed: January 30, 2024).
39. Guzik TJ, Mohiddin SA, Dimarco A, et al. COVID-19 and the cardiovascular system: implications for risk assessment, diagnosis, and treatment options. *Cardiovasc Res.* 2020; 116(10): 1666–1687, doi: [10.1093/cvr/cvaa106](https://doi.org/10.1093/cvr/cvaa106), indexed in Pubmed: [32352535](#).
40. Alam MdM, Paul T, Hayee S, et al. Atrial fibrillation and cardiovascular risk assessment among COVID-19 patients using different scores. *South Med J.* 2022; 115(12): 921–925, doi: [10.14423/SMJ.00000000000001477](https://doi.org/10.14423/SMJ.00000000000001477), indexed in Pubmed: [36455902](#).
41. Pieralli F, Biondo B, Vannucchi V, et al. Performance of the CHADS-VASc score in predicting new onset atrial fibrillation during hospitalization for community-acquired pneumonia. *Eur J Intern Med.* 2019; 62: 24–28, doi: [10.1016/j.ejim.2019.01.012](https://doi.org/10.1016/j.ejim.2019.01.012), indexed in Pubmed: [30692019](#).
42. Pardo Sanz A, Salido Tahoces L, Ortega Pérez R, et al. New-onset atrial fibrillation during COVID-19 infection predicts poor prognosis. *Cardiol J.* 2021; 28(1): 34–40, doi: [10.5603/CJ.a2020.0145](https://doi.org/10.5603/CJ.a2020.0145), indexed in Pubmed: [33140386](#).
43. Romiti GF, Corica B, Lip GYH, et al. Prevalence and impact of atrial fibrillation in hospitalized patients with COVID-19: A systematic review and meta-analysis. *J Clin Med.* 2021; 10(11): 2490, doi: [10.3390/jcm10112490](https://doi.org/10.3390/jcm10112490), indexed in Pubmed: [34199857](#).
44. Stone E, Kiat H, McLachlan CS. Atrial fibrillation in COVID-19: A review of possible mechanisms. *FASEB J.* 2020; 34(9): 11347–11354, doi: [10.1096/fj.202001613](https://doi.org/10.1096/fj.202001613), indexed in Pubmed: [33078484](#).
45. Piotrowicz R, Krzesiński P, Balsam P, et al. Telemedicine solutions in cardiology: a joint expert opinion by the Information Technology and Telemedicine Committee of the Polish Cardiac Society, the Section of Noninvasive Electrophysiology and Telemedicine of the Polish Cardiac Society, and the Clinical Research Committee of the Polish Academy of Sciences (short version, 2021). *Kardiol Pol.* 2021; 79(2): 227–241, doi: [10.33963/KP.15824](https://doi.org/10.33963/KP.15824), indexed in Pubmed: [33635031](#).
46. Agency for Health Technology Assessment and Tariff System. Monitorowanie zdarzeń arytmicznych przy użyciu wszczepialnych rejestratorów zdarzeń (ILR) - WS.420.2.2021 Warsaw, 2021.
47. Transparency Council at the President of AOTMiT. Stanowisko Rady Przejrzystości nr 40/2021 z dnia 29 marca 2021 roku w sprawie zasadności kwalifikacji świadczenia opieki zdrowotnej „Monitorowanie zdarzeń arytmicznych przy użyciu wszczepialnych rejestratorów zdarzeń (ILR): u chorych po kryptogennym udarze mózgu; u chorych po nawracających utratach przytomności, których przyczyny nie udało się ustalić pomimo rozszerzonej diagnostyki” jako świadczenia gwarantowanego Warsaw, 2021.
48. Agency for Health Technology Assessment and Tariff System. Rekomendacja nr 40/2021 z dnia 2 kwietnia 2021 r. Prezesa Agencji Oceny Technologii Medycznych i Taryfikacji w sprawie zasadności kwalifikacji świadczenia opieki zdrowotnej „Monitorowanie zdarzeń arytmicznych przy użyciu wszczepialnych rejestratorów zdarzeń (ILR): u chorych po kryptogennym udarze mózgu; u chorych po nawracających utratach przytomności, których przyczyny nie udało się ustalić pomimo rozszerzonej diagnostyki” jako świadczenia gwarantowanego Warsaw, 2021.
49. Polish Ministry of Health. Regulation of the Ministry of Health from 29 November 2023 updating the previous regulation about reimbursed hospital services. <https://legislacja.gov.pl/projekt/12376352/katalog/1300282#1300282> (accessed: January 30, 2024).
50. Polish National Health Fund. Decision no. 190/2023/DSOZ of the President of the National Health Fund from 29 December 2023 updating the previous decision about conditions for contracting hospital services https://baw.nfz.gov.pl/NFZ/document/34523/Zarzadzenie-190_2023_DSOZ Accessed 30 Jan 2024. https://baw.nfz.gov.pl/NFZ/document/34523/Zarzadzenie-190_2023_DSOZ (accessed: January 30, 2024).