

Ablation for Atrial and Ventricular Fibrillation Past, Present and Future

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References

- Andrade, J. G., Deyell, M. W., Macle, L., Wells, G. A., Bennett, M., Essebag, V., ... & Verma, A. (2023). Progression of atrial fibrillation after cryoablation or drug therapy. *New England Journal of Medicine*, 388(2), 105-116.
- Andrade, J. G., Wells, G. A., Deyell, M. W., Bennett, M., Essebag, V., Champagne, J., ... & Verma, A. (2021). Cryoablation or drug therapy for initial treatment of atrial fibrillation. *New England Journal of Medicine*, 384(4), 305-315.
- Conte, G., Giudicessi, J. R., & Ackerman, M. J. (2021). Idiopathic ventricular fibrillation: the ongoing quest for diagnostic refinement. *EP Europace*, 23(1), 4-10.
- Elliott, L. D., Wilson, O. W. A., Duffey, M., & Bopp, M. (2022). Participation in Higher Intensity Physical Activity Predicts Lower Depressive Symptom Incidence in College Students. *International journal of exercise science*, 15(7), 667–675.
- Haissaguerre, M., Cheniti, G., Hocini, M., Sacher, F., Ramirez, F. D., Cochet, H., ... & Dubois, R. (2022). Purkinje network and myocardial substrate at the onset of human ventricular fibrillation: implications for catheter ablation. *European heart journal*, 43(12), 1234-1247.
- Haïssaguerre, M., Duchateau, J., Dubois, R., Hocini, M., Cheniti, G., Sacher, F., ... & Bernus, O. (2020). Idiopathic ventricular fibrillation: role of Purkinje system and microstructural myocardial abnormalities. *Clinical Electrophysiology*, 6(6), 591-608.
- Haïssaguerre, M., Duchateau, J., Dubois, R., Hocini, M., Cheniti, G., Sacher, F., Lavergne, T., Probst, V., Surget, E., Vigmond, E., Welte, N., Chauvel, R., Derval, N., Pambrun, T., Jais, P., Nademanee, W., & Bernus, O. (2020). Idiopathic Ventricular Fibrillation: Role of Purkinje System and Microstructural Myocardial Abnormalities. *JACC. Clinical electrophysiology*, 6(6), 591–608. <https://doi.org/10.1016/j.jacep.2020.03.010>
- Haïssaguerre, M., Hocini, M., Sanders, P., Takahashi, Y., Rotter, M., Sacher, F., ... & Jaïs, P. (2006). Localized sources maintaining atrial fibrillation organized by prior ablation. *Circulation*, 113(5), 616-625.
- Haissaguerre, M., Marcus, F. I., Fischer, B., & Clementy, J. (1994). Radiofrequency catheter ablation in unusual mechanisms of atrial fibrillation: report of three cases. *Journal of cardiovascular electrophysiology*, 5(9), 743-751.
- Haïssaguerre, M., Nademanee, K., Hocini, M., Cheniti, G., Duchateau, J., Frontera, A., Sacher, F., Derval, N., Denis, A., Pambrun, T., Dubois, R., Jaïs, P., Benoist, D., Walton, R. D., Nogami, A., Coronel, R., Potse, M., & Bernus, O. (2019). Depolarization versus repolarization abnormality underlying inferolateral J-wave syndromes: New concepts in sudden cardiac death with apparently normal hearts. *Heart rhythm*, 16(5), 781–790. <https://doi.org/10.1016/j.hrthm.2018.10.040>
- Haissaguerre, M., Vigmond, E., Stuyvers, B., Hocini, M., & Bernus, O. (2016). Ventricular arrhythmias and the His-Purkinje system. *Nature Reviews Cardiology*, 13(3), 155-166.

- Hansen, B. J., Zhao, J., Csepe, T. A., Moore, B. T., Li, N., Jayne, L. A., ... & Fedorov, V. V. (2015). Atrial fibrillation driven by micro-anatomic intramural re-entry revealed by simultaneous sub-epicardial and sub-endocardial optical mapping in explanted human hearts. *European heart journal*, 36(35), 2390-2401.
- Jaïs, P., Haïssaguerre, M., Shah, D. C., Takahashi, A., Hocini, M., Lavergne, T., ... & Clémenty, J. (1998). Successful irrigated-tip catheter ablation of atrial flutter resistant to conventional radiofrequency ablation. *Circulation*, 98(9), 835-838.
- Kirchhof, P., Camm, A. J., Goette, A., Brandes, A., Eckardt, L., Elvan, A., ... & Breithardt, G. (2020). Early rhythm-control therapy in patients with atrial fibrillation. *New England Journal of Medicine*, 383(14), 1305-1316.
- Kornej, J., Börschel, C. S., Benjamin, E. J., & Schnabel, R. B. (2020). Epidemiology of atrial fibrillation in the 21st century: novel methods and new insights. *Circulation research*, 127(1), 4-20.
- Krummen, D. E., Ho, G., Hoffmayer, K. S., Schweis, F. N., Baykaner, T., Rogers, A. J., ... & Narayan, S. M. (2021). Electrical substrate ablation for refractory ventricular fibrillation: results of the AVATAR study. *Circulation: Arrhythmia and Electrophysiology*, 14(3), e008868.
- Lau, D. H., Nattel, S., Kalman, J. M., & Sanders, P. (2017). Modifiable risk factors and atrial fibrillation. *Circulation*, 136(6), 583-596.
- Marrouche, N. F., Brachmann, J., Andresen, D., Siebels, J., Boersma, L., Jordaens, L., ... & Bänsch, D. (2018). Catheter ablation for atrial fibrillation with heart failure. *New England Journal of Medicine*, 378(5), 417-427.
- Nam, G. B., Ko, K. H., Kim, J., Park, K. M., Rhee, K. S., Choi, K. J., ... & Antzelevitch, C. (2010). Mode of onset of ventricular fibrillation in patients with early repolarization pattern vs. Brugada syndrome. *European heart journal*, 31(3), 330-339.
- Pathak, R. K., Middeldorp, M. E., Meredith, M., Mehta, A. B., Mahajan, R., Wong, C. X., ... & Sanders, P. (2015). Long-term effect of goal-directed weight management in an atrial fibrillation cohort: a long-term follow-up study (LEGACY). *Journal of the American College of Cardiology*, 65(20), 2159-2169.
- Schuessler, R. B., Grayson, T. M., Bromberg, B. I., Cox, J. L., & Boineau, J. P. (1992). Cholinergically mediated tachyarrhythmias induced by a single extrastimulus in the isolated canine right atrium. *Circulation research*, 71(5), 1254-1267.
- Sohns, C., Fox, H., Marrouche, N. F., Crijns, H. J., Costard-Jaeckle, A., Bergau, L., ... & Sommer, P. (2023). Catheter ablation in end-stage heart failure with atrial fibrillation. *New England Journal of Medicine*, 389(15), 1380-1389.
- Verma, A., Jiang, C. Y., Betts, T. R., Chen, J., Deisenhofer, I., Mantovan, R., ... & Sanders, P. (2015). Approaches to catheter ablation for persistent atrial fibrillation. *New England Journal of Medicine*, 372(19), 1812-1822.