

Experimental studies on new therapeutic approaches in atrial fibrillation

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Experimental Studies on New Therapeutic Approaches in Atrial Fibrillation

1. Increased activity of the enzyme Cathepsin A in diabetes mediates the development of an arrhythmogenic, structural substrate and contractile remodeling in the atrium.
2. The negative thoracic pressure during obstructive respiratory events in sleep apnea triggers shortening in atrial refractoriness and creates an arrhythmogenic substrate for atrial fibrillation.
3. Not new highly selective ion channel blockers but „dirty“ multichannel blockers are needed to treat atrial fibrillation in obstructive sleep apnea.
4. Modulation of autonomic nervous system by renal denervation: A simple and old idea undergoes a revival.
5. Identification of focal ectopic discharges during atrial fibrillation remains a challenge.
6. It is important to treat atrial fibrillation early, best before it appears.
7. Not just fibrosis creates a substrate for AF.
8. Device based therapy vs. pharmacological treatment: Hybride strategies will win.
9. It is easy to treat AF; at least in rats, pigs and goats.
10. There are at least three things, which are more important than research: health, family and friends.