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Cardiac telocytes. From basic science to cardiac diseases. I. Atrial fibrillation

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Abstract

Introduction. Atrial fibrillation (AF) is nowadays considered to be one of the most important causes of heart failure, stroke, cognitive decline, vascular dementia, sudden death and overall cardiovascular morbidity. Recently were published a few articles suggesting a possible involvement of telocytes in the development of atrial fibrillation. The purpose of this article is to analyze the results obtained in the field systematically, and to see if there is enough data to support a possible involvement of telocytes in arrhythmogenesis.

Materials and methods. To this end, we performed a systematic review of the relevant scientific literature, indexed in PubMed, Web of Science, and Scopus.

Results and discussions. Our systematic review of the published data identified five articles containing original data, based on which the association between telocytes and atrial fibrillation was inferred in later studies. We analyzed the usefulness of the information

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