

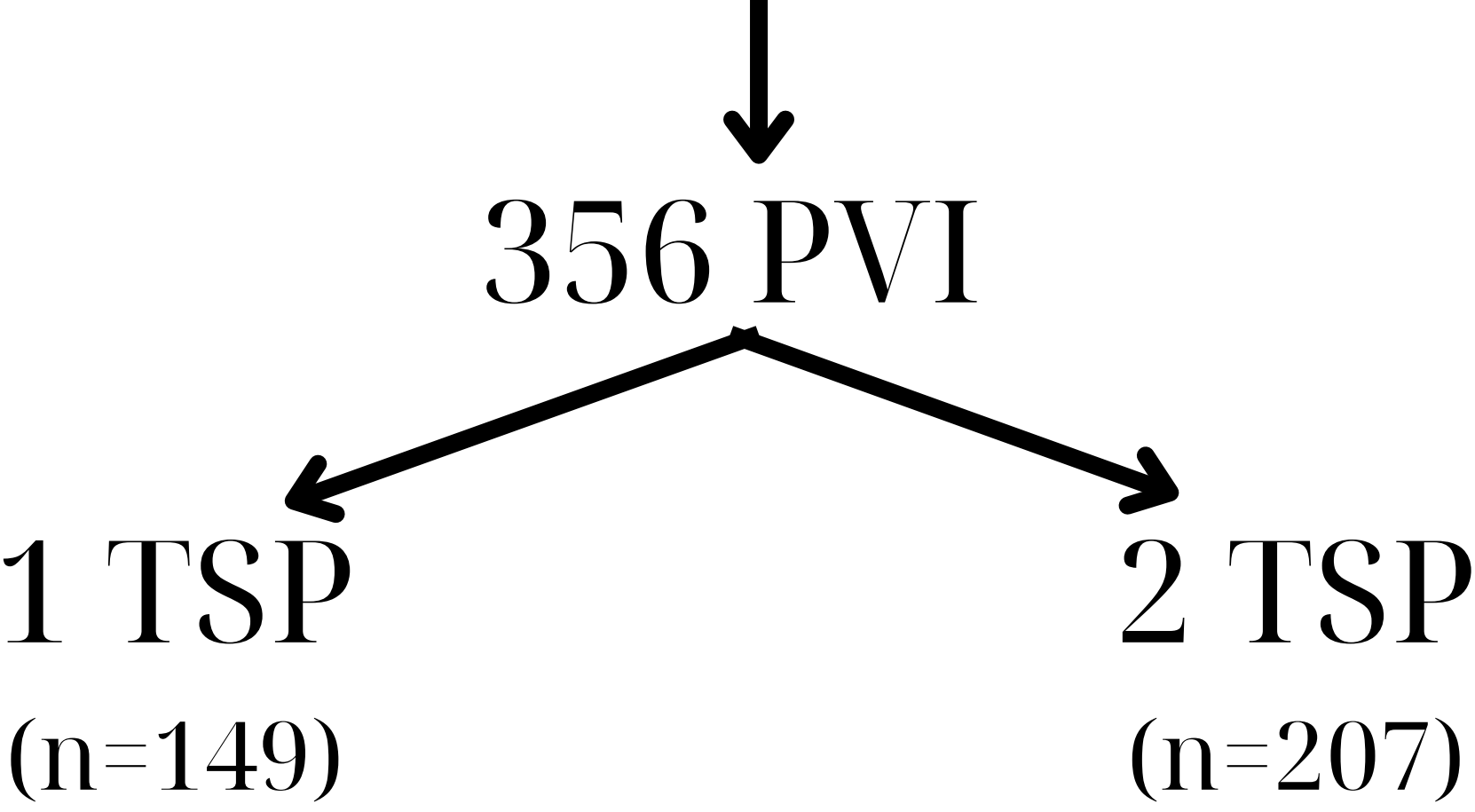
RADIATION SAFETY IN PULMONARY VEIN ISOLATION FOR ATRIAL FIBRILLATION DEPENDING ON SINGLE VERSUS DOUBLE TRANSSEPTAL PUNCTURES

PODLUZHNY M.S., YAKUSHEV A.V.

Pulmonary vein isolation (PVI) has emerged as the cornerstone treatment for symptomatic atrial fibrillation (AF), demonstrating substantial efficacy in reducing arrhythmia recurrence and improving quality of life. Transseptal puncture (TSP) is the key step in PVI. While both single and double puncture techniques achieve successful PVI outcomes, the choice between them hinges on a critical balance between procedural efficacy and patient safety. This article delves into the intricacies of radiation exposure in PVI, dissecting the technical nuances of single and double transseptal puncture approaches and their influence on radiation dose.

“Go for Zero Fluoroscopy Project”

of the European Hearth Rhythm Association's Young EP committee



Conclusions.

Despite the significantly longer usage of X-ray in single TSP PVI, the radiation exposure was not related to the number of TSP. Both procedural tactics are equal and may be used due to the operators' experience.

The aim of the study was to compare the radiation exposure in PVI procedure for AF depending on the number of TSP.

