

Single three-minute freeze beneficial in paroxysmal A-fib

April 18 2016

(HealthDay)—For patients with paroxysmal atrial fibrillation (PAF) undergoing pulmonary vein isolation (PVI), a single 3-minute freezing approach is as effective as a conventional 4-minute approach plus bonus application using second-generation cryoballoon (CB-Adv), according to a study published online April 11 in the *Journal of Cardiovascular Electrophysiology*.

Giuseppe Ciconte, M.D., from the Vrije Universiteit in Brussels, and colleagues compared the efficacy of a single 3-minute [approach](#) (3-min group) with the conventional 4-minutes plus bonus-freeze (4-min group) using CB-Adv among 160 [patients](#) undergoing PVI for PAF. Participants were randomized in a 1:1 ratio (80 patients in each group).

The researchers found that the mean procedure and fluoroscopy times were significantly shorter in the 3- versus the 4-min group (P

"A 'single 3-minutes strategy' showed equal efficacy as compared to the conventional 4-minutes plus bonus freeze approach at two-year follow-up, providing shorter [procedure](#) and fluoroscopy time," the authors write.

Several authors disclosed financial ties to Medtronic and Biotronik.

More information: [Abstract](#)
[Full Text \(subscription or payment may be required\)](#)

Copyright © 2016 [HealthDay](#). All rights reserved.

Citation: Single three-minute freeze beneficial in paroxysmal A-fib (2016, April 18) retrieved 9 April 2024 from

<https://medicalxpress.com/news/2016-04-three-minute-beneficial-paroxysmal-a-fib.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--