

New leadless pacemaker safe, reliable

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A new self-contained leadless cardiac pacemaker is a safe and reliable alternative to conventional pacemakers, according to research presented at the American Heart Association's Scientific Sessions 2014.

The new device reduces [complications](#) that have existed over the last 50 years that are associated with lead placement and performance and the pulse generator situated under the skin that have occurred with conventional pacemaker systems.

In the first trial of the leadless pacemaker, doctors implanted one in eight patients (average 82 years old, 75 percent men) with no complications in an average 41 minutes.

Researchers measured the device's performance at implant, after the patient was discharged and during three-, six- and twelve-month follow-up sessions.

The study, which began in December 2012, will continue until researchers have performance and safety results at 18 months.

Provided by American Heart Association

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