A successful ablation requires a **Smart Touch.**

*CATHETER STABILITY | CONTACT FORCE | FORCE VECTOR*

*Based on results of SMART-AF Study; VisiTag™ Module was not used during study. (See study data on first spread.)*
**ThermoCool® SmartTouch™** Catheter delivers a new measure of success.

- Know more, to help create effective lesions
- Reduce ablation time, procedure time, and total energy delivery
- Improve outcomes: Catheter–tissue contact force is critical for effective lesion creation

Greater stability, greater success.

- In the multicenter SMART-AF clinical study, **ThermoCool® SmartTouch™** Catheter demonstrated up to an 88% success rate depending on the stability within the contact force range.
- During the study, investigators selected a working range of 5 to 40 grams for 68% of all study procedures. A low value of 5 grams was selected in more than 90% of the procedures.

![Graph showing atrial arrhythmia-free success rates](image)

**Atrial Arrhythmia-Free (12 Months Postprocedure)**

- Overall success in primary effectiveness cohort ≥ 85%
- ≥80% in selected target range

*Success defined as freedom from any symptomatic atrial arrhythmia (AFib, AFL, ATAC) 12 months postprocedure when operator remained in the preset contact force range.*

*Cut-away view for illustration purposes only.
**Carto® SmartTouch™ 3D Module adds a new dimension of certainty.**

We’ve combined our catheter technology with a graphic user interface and VisiTage™ Module to create the Carto® SmartTouch™ 3D Module. This allows you to select, visualize, and manage ablation parameters. Knowing this information can be helpful prospectively or retrospectively to manage your ablation strategy.

### Seamless integration with the Carto® 3 System.
- Incorporates VisiTage™ Module technology to display key ablation parameters related to lesion formation
- Combines multiple parameters, including power, impedance, stability, and time at location

### Maintain catheter stability.
- Helps to visualize and maintain catheter stability within a user-selected range
- User-selected parameters for distance moved (measured in millimeters) over a selected time permit stability requirement to be adjusted

### Observe force and catheter orientation.
- Vector arrows show actual angle of catheter tip to tissue
- Color-coded catheter tip indicates progress to target force value

### Get average and real-time force.
- Accurate force is displayed in window and in VisiTage™ Module information grid
- Average force over time is presented for each ablation tag

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**Knowing makes all the difference.**

- Provides real-time force and color graphs based on user-defined thresholds
- Evaluates specific parameters to determine lesion gaps and ablation progress

- Indicates minimum criteria have been met
- Displays increasing color value based on time selected
- Reflects maximum time RF delivery has been maintained
**Carto® SmartTouch™ 3D Module** is fully integrated with the proven **Carto® 3 System**.

The Carto® SmartTouch™ 3D Module works seamlessly with your Carto® 3 System, displaying all parameters in real time on a single screen—providing knowledge to further support you in the quest for the perfect lesion.

- **FORCE VECTOR DASHBOARD**
  - Provides visibility to tip angle and contact force in simple display

- **FORCE GRAPH**
  - Displays force range throughout case

- **CATHETER VECTOR**
  - Displays force and catheter tip-to-tissue orientation

- **ViTag™ MODULE READOUT**
  - Visualizes dimensions of each RF application
- **ThermoCool® SmartTouch™** Catheter demonstrated up to an 88% success rate in patients with atrial arrhythmia (AFib, AFL, ATAC) 12 months postprocedure\(^3\)
- Promotes consistent lesion formation
- Allows active measurement of stable contact force and catheter tip direction
- Visually confirms delivery of user-defined dimensions of lesion creation
- Integrates seamlessly into the Carto® 3 System

**Call your Biosense Webster, Inc. representative to find out more about Carto® SmartTouch™ Technology.**

For healthcare professionals only. Please refer to the instructions for use accompanying each device before use.

References:
3. Data on file, Biosense Webster.