Verification of the Learning Curve for the Ensite Fusion Image Creation Time

Takafumi Muto¹, Toru Kawakami²

¹Medical Equipment Management Office Ichinomiya West Hospital Aichi Japan, ²Cardiac Arrhythmia Service Ichinomiya West Hospital Aichi

Background: EnSite Fusion is useful to clear the anatomical structure and navigate the catheters, however, it takes a certain amount of time to create the image.

Purpose: Verify the learning curve by the number for the image creation and the time required.

Method: Two Fusion inexperienced operators made the image and verify the time needed for the image creation per three processes.

Results: The average time required for the 1st image creation was 28 minutes. Besides, the average time for the 20th creation was 13 minutes. The time was significantly shortened and the learning curve became plateau.

Conclusions: The time for the creation of the Fusion image is highly dependent on the operator’s skill.

Keywords: mapping systems, left atrium ablation