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The invention claimed is:

1. A method of analyzing a source of a complex rhythm disorder in a heart of a human, the method comprising:

accessing signals from a plurality of sensors disposed spatially in relation to the heart, the signals associated with activations of the heart, the signals being one or more of electrical, acoustic, electromagnetic, magnetic, microwave, and combinations thereof;

identifying a region of the heart including an activation trail that is rotational or radially emanating, the activation trail indicative of the source of the complex rhythm disorder, wherein the activation trail is based on the activations of the heart; and

generating a clinical representation of the activation trail of activations that identifies the region of the heart associated with the indicated source.

2. The method of claim **1**, wherein the signals are stored in a computer-accessible memory.