WHAT IS CLAIMED IS:

1. A suturing system comprising:

an automated suture fixture comprising a plurality of motorized actuator devices and a suture target holder, the automated suture fixture being configured to position the suture target holder to position a target suture device mounted to the suture target holder;

a visualization system comprising a camera configured to generate images of the target suture device mounted to the suture target holder;

a display system configured to display the images generated by the visualization system;

a data store configured to store suturing procedure script data that together forms a suturing procedure, the suturing procedure script data including data representing a plurality of positions of the suture target holder, representing a plurality of visualization configurations of the visualization system, and representing a plurality of display configurations the display system; and

a controller communicatively coupled to the data store, the visualization system, the display system, and to the automated suture fixture, the controller configured to:

load from the data store the suturing procedure script data;

sequentially retrieve data from the suturing procedure script data, the data representing a position of the suture target holder from the plurality of positions, a visualization configuration of the visualization system from the plurality of visualization configurations, and a display configuration of the display system from the plurality of display configurations; and

responsive to retrieving the data from the suturing procedure script data, provide control signals to the automated suture fixture, to the visualization system, and to the display system to cause the automated suture fixture to position the suture target holder in a targeted position, to cause the visualization system to assume a targeted visualization

configuration, and the display system to assume a targeted display configuration.

2. The suturing system of claim 1, wherein the camera of the visualization system is configured to remain in a static configuration during execution of the suturing procedure.

3. The suturing system of claim 1, wherein the camera is configured to change position responsive to the control signals provided by the controller.

4. The suturing system of claim 1, wherein the camera is configured to change focal length responsive to the control signals provided by the controller.

5. The suturing system of claim 1, wherein the display system is configured to display an overlay over the image generated by the camera responsive to the control signals provided by the controller.

6. The suturing system of claim 1, wherein the display system is configured to display visual aids responsive to the control signals provided by the controller.

7. The suturing system of claim 1 wherein the visualization system further comprises a second camera configured to generate images of the target suture device mounted to the suture target holder.

8. The suturing system of claim 7, wherein the second camera is configured to change position responsive to the control signals provided by the controller.

9. The suturing system of claim 7, wherein the second camera is configured to change focal length responsive to the control signals provided by the controller.

10. The suturing system of claim 7, wherein the camera is configured to change position responsive to the control signals provide by the controller and the second camera is configured to change focal length responsive to the control signals provided by the controller.

11. A method of suturing a target device, the method comprising:

loading from a data store suturing procedure script data that includes data representing a plurality of positions of a suture target holder of an automated suture fixture, representing a plurality of visualization configurations of a visualization system comprising a camera, and representing a plurality of display configurations of a display system configured to display images generated by the camera of the visualization system;

sequentially retrieving data from the suturing procedure script data, the retrieved data representing a position of the suture target holder from the plurality of positions, a visualization configuration of the visualization system from the plurality of configurations, and a display configuration of the display system from the plurality of display configurations; and

responsive to retrieving the data from the suturing procedure script data, providing control signals to the automated suture fixture, to the visualization system, and to the display system to cause the automated suture fixture to position the suture target holder in a targeted position, to cause the visualization system to assume a targeted visualization configuration, and the display system to assume a targeted display configuration.

12. The method of claim 11, wherein the camera of the visualization system is configured to remain in a static configuration during execution of the suturing procedure.

13. The method of claim 11, wherein the camera is configured to change position responsive to the control signals provided by the controller.

14. The method of claim 11, wherein the camera is configured to change focal length responsive to the control signals provided by the controller.

15. The method of claim 11, wherein the display system is configured to display an overlay over the image generated by the camera responsive to the control signals provided by the controller.

16. The method of claim 11, wherein the display system is configured to display visual aids responsive to the control signals provided by the controller.

17. The method of claim 11 wherein the visualization system further comprises a second camera configured to generate images of the target suture device mounted to the suture target holder.

18. The method of claim 17, wherein the second camera is configured to change position responsive to the control signals provided by the controller.

19. The method of claim 17, wherein the second camera is configured to change focal length responsive to the control signals provided by the controller.

20. The method of claim 17, wherein the camera is configured to change position responsive to the control signals provide by the controller and the second camera is configured to change focal length responsive to the control signals provided by the controller.