Project Name: Use of glasses-free stereoscopic displays for image-guided interventions

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Summary: We have recently acquired a glasses-free 3D display that can be used to view 3D computer models over a wide viewing angle. The aim of this project will be to assess the use of the display for guiding surgical interventions. We are focussing on reconstructive breast surgery where such technology may have a significant impact.

Student Role: The student will acquire skills in medical image processing, cross-sectional anatomy, using scripting languages for 3D display, carrying out a clinical study, working with clinicians, working with novel 3D display systems.