Project Name: Chest wall motion assessment post-thoracic surgery

Supervisor: Kawal Rhode, Antonia Pontiki

Summary: Patients that undergo chest wall surgery can have compromised breathing due to the importance of the rib cage for ventilation mechanics. We have developed a method to assess chest wall motion in patients using optical tracking technology, the same technology that is used for motion capture in the film industry. The aim of this project is to use this technology to assess patients that come for follow-up appointments after chest wall surgery.

Student Role: The student will acquire skills in data analysis, working with clinicians, using and developing software in Matlab, carrying out a clinical study.