

**From:** [Faculty Description of Research Project](#)  
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**Project title:**

Perioperative Optimization of Spine Surgery Patients

**Faculty mentor name, email, department and phone number**

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**Research Project Description**

Complex spine surgery has been of increased demand since it is referral center for north central Florida and south Georgia. Patients receive care from different clinicians which increase variability among providers at different phases of care. Many patients do not get adequate communication and a unified set of expectations regarding their hospital stay and post-surgery outcome and rehabilitation. This has impacted patients' satisfaction and provided fragmented care by different clinicians. The goal for this project is to develop an enhanced recovery clinical pathway for patients who are candidates for spine surgery. This will be an integrated evidence-based clinical care that involve multiple stakeholders including physicians, nursing, physical therapists, and social service workers. This project includes 4 phases of care: preoperative risk stratification and optimization, intraoperative phase, acute postoperative phase, and finally post-discharge phase. During each phase, there are performance metrics to evaluate the compliance with the project and its impact on patient outcome.