

Osteochondral Transplant System

Client: Dr. Brian Walczak

Advisor: Dr. Krishanu Saha

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Problem Statement

Osteochondral allografting is a common procedure performed on patients that require replacement of diseased bone. Current methods of implantation require the application of mechanical forces that have a detrimental effect on the live chondrocytes present on the implant. Maximizing the amount of viable tissue during and after the surgery is a crucial factor for the success of the procedure. Hence, the client requests a delivery system that will reduce the amount of mechanical forces required to securely place the implant into the donor site.

Summary of Team/Design Accomplishments

- Had our first meeting to brainstorm talking points for client and advisor meetings
- Briefed new team member on last semester's progress and results
- Discussed where we would want to go with our project and what we hope to accomplish with regards to data collection and testing

Project Difficulties

None currently.

This Week's Goals

- Begin updating our PDS
- Discuss what the focus of our project should be for the semester (i.e. focus on mechanical testing as opposed to biological testing)
- Brainstorm alternative methods we want to include in our new design matrix.
- Meet with client

Expenses

- No expenses to report currently.

Individual Activity Log

Person	Task	Time (hrs)	Weekly Total	Semester Total
Rodrigo (Leader)	Weekly Progress report	1	2	2
	Advisor Meeting	0.5		
	Team Meeting	0.5		
Eduardo (Communicator)	Team Meeting	0.5	1	1
Nick (BSAC & BWIG)	Advisor Meeting	0.5	1	1
	Team Meeting	0.5		
Bilin (BPAG)	Advisor Meeting	0.5	1	1
	Team Meeting	0.5		

Project Timeline

Projected timeline will be included in next week's report as we currently do not have enough feedback on last semester's work to devise an action plan for this semester.