

Team #2: Mechanical model for neuro-endoscopic surgical simulation

Team: Kimberli Carlson-Team Leader
Courtney Krueger-Team Communicator
Anyi Wang-BSAC
Alan Meyer-BWIG

Week: October 30, 2010 – November 5, 2010

Client: Dr. Bermans J. Iskandar
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Last Week's Goals

- Obtain estimate for rapid prototype with image
- Send out rapid prototype the ventricles
- Building funnel guide
- Decide on and order head shaped container

Accomplishments

- Found 2 head containers
- Found funnel with short stem
- Image for 3D printer was finished and submitted
- Asked medical physicist for hydrocephalic brain MRI

Next Week's Goals

- Obtain estimate for rapid prototype with image
- Send out rapid prototype the ventricles
- Building funnel guide
- Order head shaped container and funnel
- Purchase mineral oil

Difficulties

- Obtaining MRI images of hydrocephalic brain

Team Effort

Team Member	Accomplishments	Time (Hrs)	Running Total (Hrs)
Kimberli Carlson	Found funnels Team meeting Prepared proposal	4.0	30.5
Courtney Krueger	In the process of obtaining MRI scans Contacted client about ordering materials Team meeting	4.0	30.5
Anyi Wang	Found skull shaped containers	3.0	23.0
Alan Meyer	Website 3D Image Team meeting	5.0	33.5
Entire Team	Team meeting Materials selections 3D reconstruction	4.0	24.0

Project Schedule

TASK	September				October					November				December		
DATES	3	10	17	24	1	8	15	22	29	5	12	19	26	3	10	17
WORK																
Brainstorming																
Research																
Designing Prototype																
Selecting Prototype																
Obtaining Materials																
Building Prototype																
Testing Prototype																
Modifications																
DELIVERABLES																
PDS																
Mid-Sem. Report																
Mid-Sem. Presentation																
Final Report																
Final Presentation																
Weekly Reports																
Notebooks																
MEETINGS																
Team Meetings																
Client Meetings																
Advisor Meetings																
BSAC Meetings																
Other Meetings																
OTHER																
Web Page																
Special Lectures																

Project Expenses: No expenses to date.