

## **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:** November 13, 2010 – November 19, 2010

**Client:** Dr. Bermans J. Iskandar  
Department of Neurological Surgery  
University of Wisconsin Hospital and Clinics  
iskandar@neurosurgery.wisc.edu  
680.212.3008

**Advisor:** Mitch Tyler  
Room 2156 Engineering Centers Building  
metyler1@wisc.edu  
608.262.5112

### **Last Week's Goals**

- Send image for rapid prototype to company
- Paint the wood support
- Build funnel guide
- Receive head shaped container and funnel
- Assemble model

### **Accomplishments**

- Image of hydrocephalic brain being sent tomorrow
- Obtained an estimate for the rapid prototype
- Received the rapid prototype from the 3D printer on campus
- Purchased the mineral oil
- Painted wood support

### **Next Week's Goals**

- Send image for rapid prototype to company
- Receive head shaped container and funnel
- Assemble model
- Begin final paper and poster

### **Difficulties**

- Getting shipment of head shaped container

### Team Effort

Team Member	Accomplishments	Time (Hrs)	Running Total (Hrs)
Kimberli Carlson	Ordered skull container Sent in estimate for rapid prototype Painted wood support	4.0	38.5
Courtney Krueger	Contacted client about ordering materials	2.0	36.5
Anyi Wang	Obtained paint	2.0	27.0
Alan Meyer	Website 3D Image	5.0	43.0
Entire Team	Team meeting Materials and assembly 3D reconstruction	4.0	32.0

## Project Schedule

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

### Project Expenses:

Skull Container : \$37.38

Funnel: \$9.43

Mineral Oil: \$4.50

Paint: \$9.37