Project: Modifications of monkey restraint device for administration for topical eye drops.

Team Members:
Brian Frederick - Team Leader
Kelly Toy - Communicator
Ross Gerber, Aman Ghotra - BSAC
Kawai Chan, Miguel Benson - BWIG

Client:
B'Ann Gabelt
UW Dept Ophthalmology & Visual Sciences
Phone: 263-5125

Date: 11/19/03 - 11/25/03

Problem Statement: To develop a method of effectively restraining a monkey’s head in conjunction with the existing monkey restraint device. To find a way to effectively stabilize monkey transportation cages when delivering a monkey to its permanent cage.

Restatement of Team Goals: The group wanted to meet last Wednesday night (11/19/03) to begin the assembly of the prototype. The first prototype was to be completed by that Friday (11/21/03), and was to be tested on the monkey restraint device.

Summary of Accomplishments: Prototype assembly began on Wednesday, and the prototype was machined and completed on Friday. It was fitted to the monkey restraint device to see what alterations had to be made.

Statement of Team Goals: Develop a method of effectively keeping the monkeys’ arms below the neck level, most likely through the implementation of a plastic sheet in front of the monkeys’ body. We must therefore order the plastic necessary to make this, and find a way to attach the sheet to the monkey restraint device (so the monkeys can’t push it away). Modifications must also be made to the chin restraint so that it more appropriately fits the monkeys head (must be reduced in size).

Rough Project Schedule:
9/12/03: Meet with client
9/22/03: Obtain TB tests
9/26/03: Complete Brainstorming
10/03/03: Finish Preliminary Design Reports
10/10/03: Evaluate Ideas, Mid-Semester Presentation
10/20/03 - 12/6/03: Choose final design, build and finalize prototype
12/05/03: Poster Presentation

Difficulties: The chin strap is too large to effectively restrain the monkeys; it needs to be shortened, and also should decrease in width so that it can more easily pass through the bars of the cage.
Activities:
Week to date:
Brian – Progress report, tool crib correspondence, group meeting, prototype assembly, met with client: 6 hrs
Ross – group meeting, prototype assembly: 2 hrs
Aman – Group meeting, prototype assembly, met with client: 3 hrs
Kelly – Group meeting, prototype assembly, met with client: 3 hrs
Kawai – Group meeting, met with client, worked on new chin strap: 3 hrs
Miguel – Group meeting, met with client, prototype assembly: 3 hrs

Running Total:
Brian – 31 hrs
Ross – 28.75 hrs
Aman – 29.5 hrs
Kelly – 28 hrs
Kawai – 26.75 hrs
Miguel – 27.25 hrs