

SP.718 Developing World Prosthetics

Spring 2010

Assignment 5

Reading Assignment: Sand Casting

Read the paper, “CIR sand casting system for trans-tibial socket” written by Dr. Wu Yeongchi et al.. This is not current version, but it’s good to understand a basic idea of how vacuum system is used for making positive and negative molds. Dr. Pooja pointed out in the class that it turned out that this system costs more than conventional way with plaster. She also pointed out that the shape of positive mold changes during the process.

In this assignment, read this paper and list advantage and disadvantage of this system. How would you improve this system?

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