Design of Medical Devices and Implants

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DESIGN OF MEDICAL DEVICES (suggested outline)

1. Anatomy of organ
   • structure
   • function

2. Pathology of organ
   • description of different lesions
   • selection of a patient population
DESIGN OF MEDICAL DEVICES
(suggested outline) (cont.)

3. Old and new solutions
   • past and present approaches to solving problem
   • best current approach
   • problems with ‘gold standard’

4. The new design
   • visualization
   • space and time constraints
   • safety and efficacy
   • risk/benefit analysis
Rules

1. Team design. 3-4 per team.
2. Final Grade = Quiz 35% + Oral proposal 15% + Final oral + written presentation 50%.