

Biomaterials - Tissue Interactions

Homework #5

You have been asked to assist in the design of a percutaneous tube to be used by kidney dialysis patients. Your task is to help in the definition of the surface characteristics that would be most favorable.

- a. Would you recommend that a hydrogel be used? Explain.
- b. Would you propose a mechanical or chemical bond of the tissue to the material? How would you achieve such?