06. Remediative Burn Surgery: What if no transplant is available?

Content Area: **Science**
Course(s):
Time Period: **Semester 1**
Length: **2 weeks**
Status: **Published**

Standards

HS-LS1	From Molecules to Organisms: Structures and Processes
	Constructing Explanations and Designing Solutions
	Structure and Function
HS-LS3	Heredity: Inheritance and Variation of Traits

Enduring Understandings

- Medicine is a complex and overlapping umbrella of scientists, engineers, doctors, and researchers working together to use technology and technique to help people.
- There is inherent risk involved in any interaction with medical technology.
- There are many stakeholders in medicine: all are important, but consensus isn't guaranteed.

Essential Questions

- Are the criteria for surgical interventions always absolute?
- How do the three course Big Ideas inform not just initial injuries, but the techniques used to correct them?
- One must not forget the "humanness" of medicine - both patients and medical professionals will be affected.

Knowledge and Skills

NGSS Skills/Practices

- Asking Questions.
- Engaging in Argument from Evidence.

- Obtaining, Evaluating, and Communicating Information.

Knowledge:

- Students will make specific and relevant connections between Structure: function and burns.
- Students will make specific and relevant connection between Homeostasis and burns.
- Students will make specific and relevant connection between systemness and burns.
- Students will identify and describe the major burn classifications and how they affect the skin.
- Students will connect the symptoms of the major burn classifications and the damage done to the specific skin layers.
- Students will detail and describe the surgical techniques used to help burn patients in general.

Assessments

https://docs.google.com/document/d/1wR7bQF-8AQoRrt0g4C3hKja0yjwDjC9_BiAmONWbTcI/edit?usp=sharing

Modifications

https://docs.google.com/document/d/1ODqaPP69YkcFiyG72fIT8XsUIe3K1VSG7nxuc4CpCec/edit?usp=sharing