1. The virtual shadowing experience was a window into the UCSD Burn Center. Several case studies were presented, such as Amy Russ Takus, who underwent skin grafts for an electrical burn, and Ken Davis, a carpenter with extensive burns from a propane explosion. The use of advanced medical technology was quite interesting, including transite (a biologic skin replacement), and pressure garments to aid in healing and reduce scarring.
2. As a high school student interested in mechanical engineering, the experience still interesting. While the medical field is not my primary interest, it was cool to see the collaboration between medical professionals and the application of cutting-edge technology. The teamwork and tenacity in the UCSD Burn Center were evident, even from a non-medical perspective.
3. One key takeaway for me as a potential future healthcare professional is the critical nature of interdisciplinary collaboration. The use of technology and medical expertise exhibited the need for teamwork in providing comprehensive care. This collaboration is transferable to engineering projects where diverse skills contribute to successful outcomes. It could also be called a soft skill ;).
4. The most interesting part of this experience was the intersection of medical science and technology. Seeing the use of innovative solutions like transite and the resilience of patients undergoing rehabilitation was intriguing. The combo of biology and engineering in the healthcare setting again showed the potential for interdisciplinary approaches to problem-solving.
5. Overall, the virtual shadowing experience gave me insight into the dynamic and collaborative nature of healthcare. While the medical field may not align directly with my interest in mechanical engineering, the exhibition of advanced technology and the impact of teamwork has widened my perspective on the applications of engineering principles in real-world settings.