

BIOL 4250: Internship at Hanger Clinic

Kelson Lee
Utah State University

Jeremy T. Miles
Hanger Clinic, MSPO, CPO



Myself, My Companion, Olando, Sherri, & Ozone

So Kelson, Why this?

While serving a mission on the island of St. Vincent, I met Olando and Ozone. After I became best friends with these brothers and fell in love with the people, I knew I had to do something for Ozone and others down here. I got home and got right to work. The entirety of my collegiate career I have had one focus, become a Certified Prosthetist & Orthotist (CPO.) Jeremy at Hanger Clinic gave me the amazing opportunity to internship under his wing, learning the ins and outs of his day-to-day work. I have had the time of my life.

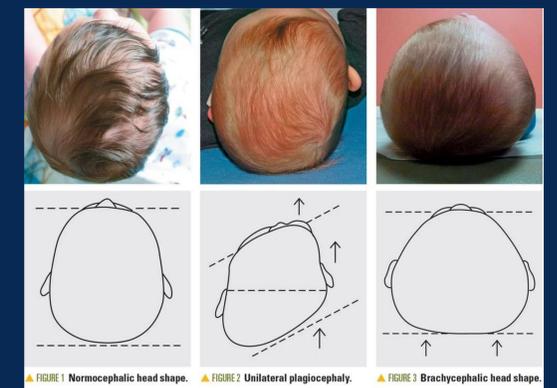
Kelson, what do you do at Hanger?

I get to help change lives! That's what I get to do at Hanger. I am Jeremy's shadow and extra set of hands. I'll assist him when scanning infant heads for cranial helmets and he will show me what alterations he is going to make and why. He will hand me a cast and I'll go off mixing, pouring and setting the plaster model (2), then I get to clean up and sand the mold under his direction (3). When we pull a mold, I am an extra set of hands ensuring a quality fit (4). He will do the final touches and coach me through the process, but I also get to cut the molds off the models (5), sand off the rough edges (6), and prepare them for fitting. Honestly, this is the coolest thing ever. Sitting through class is a bore compared to this. 10/10 would recommend getting out of the classroom and into a field you are interested in. This way you get to do a dry run of a job to see if it's something you really want to do. I've always known this was for me, this just confirmed it.



This is the process to make a Solid Ankle AFO, (Ankle/Foot Orthotic.) This will hold the ankle in place when walking, providing stability for the patient. 1) A cast is made using a fast-setting fiberglass wrap, this is then cut off and the cut is sealed. 2) The cast is then filled with a plaster mix and left to cure. 3) The plaster model gets removed from the cast, areas of support are added, and is sanded and made smooth. 4) A plastic sheet is heated in the oven, wrapped around the model and vacuum formed. 5) The device is cut off the model. 6) The rough cut is sanded and shaped. 7) Straps are added and the AFO is ready to be fitted to the patient.

Altering a Cranial for an infant with Plagiocephaly



Cranial Helmets is a way to correct skull asymmetry. It does not squish the baby's head, rather it holds the head in a healthy position to promote growth.

