Requirement	Test
Autoclavability of motor Thickness of shaft and tip should not exceed 4 mm in diameter	Put through autoclave cycle and check if in Measure diameter by inserting shaft into 4 mm straw to ensure fit
Needs to be comfortable to hold for Dr. Hiller Device has two components - attachment and handle that can be taken apart Device is made of two components that can easily slide in and out of each other Maximum weight shall not exceed 500g with 400g being	Have Dr. Hiller hold and approve handle Manually insert and attach head to handle to make sure ease of fit and locked Manually measure triat trief ets not friction when sliding inside attachment weigh the full system and also the handle
the handle Autoclavability of whole device	on the scale in GJ 126 Put through autoclave cycle and check if i Place tube in cup of water with bits of
Compatibility of suction with current setup Input voltage:100-240V AC	cartilaginous tissue and see if it works when booked up to current numbalso Use voltmeter or multimeter to measure
Input current:6-10A	the powersource's voltage Use ammeter or multimeter to measure the powersouce's current
Operation power capability: 400W@200ohms and 200KHz Max speed:12000 RPM	Use multimeter to measure the output voltage and current, then can get the Run at full load, and use Infrared
"Energy Storage Capacity : Plug in power source (110V-220V)"	Use plug in electric resource
Ability for inner shaft to rotate in outer shaft Ability to shave down articular cartilage	Hook up motor to inner/outer shaft configuration and run, making sure it Run shaver on bovine/porcine knee and
Operate for 1.5 hours of continuous use	measure articular cartilage before and Use prototype continuously for 1.5 hours with load (shaving of bovine knee Use prototype at the both 25 °C and 39
Operate withing temperature range of 25-39 °C Must not break or bend during use when max load is applied	°C with load to check functionality 3 point bending test of material
Meets the IP 68 rating Needs to be comfortable to hold and operate with for Dr. Hiller	Submerge prototype underwater for at least 1 hour and check operation Have Dr. Hiller operate on a bovine knee

Test Subject	Target Date
Motor	1/31/20
Shaft and tip	2/15/20
Handle	3/1/20
Shaft and handle	3/1/20
Shaft and handle	3/1/20
Initial Prototype	3/20/20
Initial Prototype	3/20/20
Electrical Components	3/20/20
Electrical Components	3/31/20
Fully Functional Protoype	3/31/20
Fully Functional Protoype Sh	3/31/20
Fully Functional Protoype	3/31/20
Fully Functional Protoype	4/10/20