


Experimental Protocol

Test Requirements

Materials:	Xenics Gobi 640 17 μ m GigE Infrared camera with power cord, Tripod, Cuff, Chair, Computer with recording software and power cord, Vacuum pillow, Vacuum pump, Stopwatch, Ethernet cable, Computer.
Setup:	
Preparation:	<ol style="list-style-type: none">1. The camera has to warm up for 15 min.2. During this laptop, software and all cable connections should be set in operational readiness.
Procedure:	<ol style="list-style-type: none">1. Systolic pressure is measured and mean is calculated2. Pressure to be used in cuff is calculated3. The cuff is affixed at the subjects dominant arm without tighten it.4. The subject can take place in the chair.5. The hand is put on the vacuum pillow.6. The vacuum pump is attached to the pillow.7. The camera needs to be positioned 37.5 cm over the hand with the focus adjusted.8. If the camera is stable, the first measurement can be started for exact 20 min.9. Save file as subject_number of subject.10. Tighten the cuff on the arm of the subject with XXX, without moving the subjects hand.11. The second measurement can be started for exact 20 min.12. Maintain same pressure for 20 min.13. Save file as subject_number of subject_cuff