Doppler Ultrasound Study

Date: November 9, 2016
Location: Tampa - Premier Vein Institute, Tampa, Florida, USA

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RED in images is Arterial blood flow
Blue in images is Veinous blood flow
Femoral Artery

Pre Tourniquet:
Normal arterial and veinous blood flow

Tourniquet Applied:
100% occlusion

Post Tourniquet
Normal blood flow resumes
Pre Tourniquet:
Normal arterial and veinous blood flow

Tourniquet Applied:
100% occlusion

Post Tourniquet
Normal blood flow resumes
6’ x 7mm TPU Leash Cord wrapped around the leg as many times as possible binding with continuous pressure as an improvised tourniquet failed to reach arterial occlusion, was not able to be performed one-handed, and did not have a means of securing in place.

Pre Leash:
Normal arterial and veinous blood flow

Leash Applied:
Occlusion Failure
Reason for Appointment
1. OMNA Amphibious Tourniquet and Tourniquet Leashes

Procedures
TECHNOLOGIST:
Ultrasound Technologist Paula Urrea RVT.
Tested OMNA Amphibious Tourniquet and Tourniquet Leashes:
- When the OMNA Amphibious Tourniquet was used on the Brachial Artery it was 100% occluded.
- When the OMNA Amphibious Tourniquet was used on the Femoral Artery it was 100% occluded.
- When the Surf Board Leash was used on the Femoral Artery there was normal non-obstructed blood flow.

Electronically signed by Adithya Suresh, MD on 11/10/2016 at 08:23 AM EST
Sign off status: Completed