PERIMED

YOUR PARTNER
IN MICROCIRCULATION

The Vascular Lab - Toe and Ankle Pressure, ABI/TBI

I. Let the patient rest in supine position

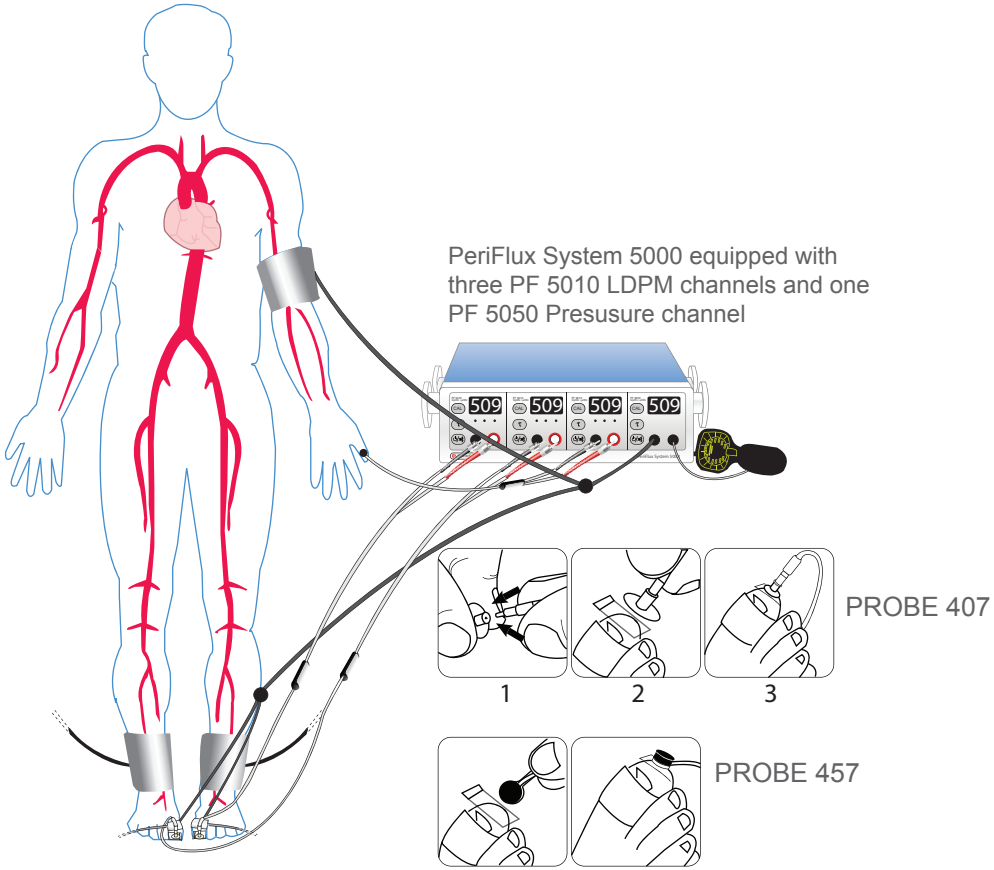
Keep feet and toes warm.

II. Turn on computer and instrument

Allow the instrument 20 minutes to warm up.

III. Attach Cuffs and Probes

Toes/ankles, and arm (if measuring TBI/ABI).



IV. Start the PeriSoft for Windows Examination Manager

Select patient from worklist, database or create a new patient.

V. Choose appropriate Examination Plan

Choose attending staff.

Enter appropriate information in the Examination Record if available.

VI. Check instrument settings

When necessary, re-name channels and/or exclude tests/channels.

VII. Start measurement, follow instructions

Heat limb if perfusion value < 20 PU.

Avoid movement artifacts.

Perform at least 3 repetitions.

VIII. Check pressure curves

Adjust pressure markers if necessary.

Exclude erroneous measurements.

IX. Print or export report

Cleaning

Digit and toe cuffs can be cleaned with soap and water, and sterilized with 5% chlorine bleach in water or ethylene oxide (≤60°C). Alcohol may be used only for polyurethane cuffs, marked UDC or UPC. Do not use alcohol on latex cuffs (models DC and PC). Medically approved plastic film can be used under the cuffs to avoid contamination and transmission of infection from ulcerated or infected areas. The removable cover for arm and ankle cuffs can be machine washed and line dried. They may be wiped with alcohol, and sterilized with ethylene oxide (≤60°C). Ventilate cuffs after cleaning to ensure that they dry completely. Do not autoclave any cuffs.

Clean the laser Doppler probes with mild detergent and water, or wipe with alcohol (<70%). Sterilize with gas (e.g. Ethylene oxide), plasma (e.g. STERRAD®) or radiation, or use disinfectant (e.g. CIDEX® OPA). Probes must not be subjected to temperatures exceeding 65°C. The optical connectors can be cleaned with a cloth moistened with alcohol. Do not immerse in liquid. Probe holders may be cleaned with isopropyl alcohol.

For detailed instructions, please refer to the instrument manual.

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Part no.44-00221-02

The Vascular Lab - Transcutaneous Oxygen (tc*p*O_2)

I. Let the patient rest in supine position

Keep feet and toes warm.

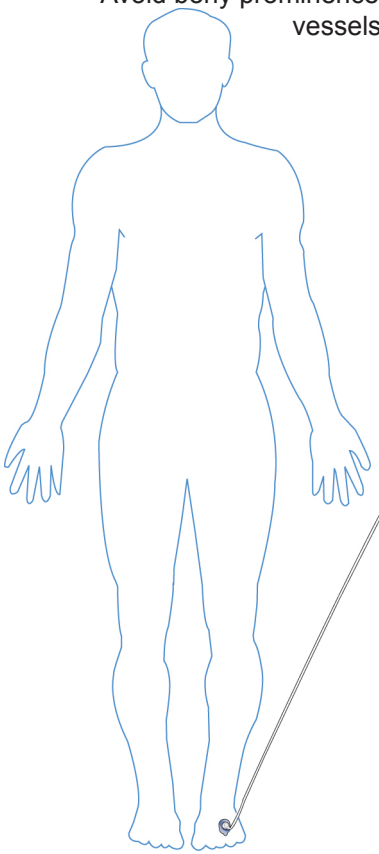
II. Turn on computer and instrument

Allow the instrument 20 minutes to warm up.

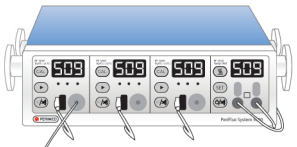
Calibrate electrodes.

III. Attach fixation rings

Remove body hair, blot with tape and then clean site with alcohol.
Avoid bony prominences, area of edema and cellulitis, large superficial vessels and plantar area of the foot.



PeriFlux System 5000 equipped with three PF 5040 tc*p*O_2 channels and one PF 5020 Temp channel



TC 550 Fixation Ring or
TC 555 Fixation Ring Extra Strength Adhesive

IV. Start the PeriSoft for Windows Examination Manager

Select patient from worklist, database or create a new patient.

V. Choose appropriate Examination Plan

Choose attending staff.

Enter appropriate information in the Examination Record if available.

VI. Check instrument settings

If necessary, re-name channels and/or exclude tests/channels.

VII. Start measurement, follow instructions

At least 15 minutes for stable baseline.

Perform provocations if necessary - O_2 inhalation / leg elevation.

VIII. Print or export report

Calibration

Calibration ensures accurate measurements and should be performed:

- *prior to each monitoring period*
- *when changing measurement sites*
- *every four hours*
- *when changing between patients*
- *every time an electrode has been remembraned (calibrate twice)*

Cleaning and Maintenance of Electrode

Gently wipe the electrode and cable with a soft cloth or tissue moistened with water. Use clean tissues to remove any remaining moisture.
To obtain reliable measurements, electrode remembraning is recommended every week.

Please refer to the instrument manual for complete instructions on cleaning and maintenance.

For detailed instructions, please refer to the instrument manual.

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