PeriFlux 6000 Combined Premium - ABI, toe pressure, PVR and tcpO₂

I. Let the patient rest in supine position
   Keep feet and toes warm.

II. Turn on computer and instrument
    Allow the instrument 5 minutes to warm up.

III. Start the PeriSoft for Windows Examination Manager
    Select patient from worklist, database or create a new patient.
    Click

IV. Choose appropriate Examination Plan
    Enter attending staff or choose from list.
    Calibrate tcpO₂ electrodes.
    If necessary, rename channels and/or exclude tests/sites.
    Select reference arm.

V. Attach cuffs and probes for ABI, toe pressure and PVR
    Follow color marking. Place all cuffs and connect to pressure tubing.
    Place laser Doppler probes on toes and reference finger.
    Positioning of laser Doppler
    PROBE 457

VI. Attach fixation rings for tcpO₂
    Remove body hair, blot with tape and then clean site with alcohol.
    Avoid bony prominences, areas of edema, large superficial vessels
    and callused skin.
    Click

VII. Enter Clinical Information
    Clinical information can be edited before, during or after the examination.
    Click

VIII. Start measurement, follow instructions
    Note! Green colored buttons indicate recommended action.

    tcpO₂:
    Place electrodes in holders.

    At least 15 minutes for stable baseline.
    Perform provocations if necessary - leg elevation/O₂ inhalation/leg lowering.

    ABI and toe pressure:
    Avoid movement artifacts.
    Perform at least 3 repetitions.
    Adjust pressure markers if necessary.
    Exclude erroneous measurements.

    PVR:
    Adjust measurement area if necessary.

IX. Print or export report

For detailed instructions, please refer to the manuals.
Cleaning and maintenance of electrodes

Gently wipe the electrode and cable with a soft cloth or tissue moistened with water. Use clean tissues to remove any remaining moisture. The following water-based disinfection solutions are recommended: MadaCide-FD (MADA Inc.), Control III (Maril Products Inc.), Sekusept Plus (Ecolab).

Note! Avoid exposing the electrode cable to any product (hand lotion or disinfection solution, for example) based on isopropanol/propyl alcohol/alcohol as frequent exposure to these products may damage the electrode cable.

To obtain reliable measurements, electrode remembraning is recommended every week.

Cleaning and probes

Straight segmental cuffs can be cleaned by hand wash, or by using a washing machine with a mild detergent and gentle cycle. The following disinfectants are recommended by the manufacturer: hydrogen peroxide, hydrogen peroxide with silver (Sanosil®), peroxyacetic acid, silver (Steriplextm), silver with citric acid (PureGreen24TM & SpectraSanTM24), Octyl decyl dimethyl ammonium chloride with diocetyl dimethyl ammonium chloride with didecyl dimethyl ammonium chloride with dimethyl benzyl ammonium chloride (Protex™), 99% isopropyl alcohol, T-SprayTM, and Steriplex SD.

Clean the laser Doppler probes with mild detergent and water, or wipe with alcohol (<70%). For probes and probe holders that are attached using tape, tape remnants may be removed by repeated applications of clean adhesive tape, for instance Transpore® or Blenderm®. The laser Doppler probes may be disinfected using Rely+On™ Perasafe™ (DuPont™), CIDEX® OPA (Johnson&Johnson), MadaCide-FD (MADA Inc.), or Sekusept Plus (Ecolab). Sterilize with STERRAD® 100S®/100S®/50®. Probes must not be subjected to temperatures exceeding 65°C. The optical connectors can be cleaned with a cloth moistened with any of the recommended agents. Do not immerse in liquid. Probe holders may be cleaned with the same agents as the probes.

Calibration of electrodes

Calibration ensures accurate measurements and should be performed:
- prior to each measurement period
- when changing measuring sites
- every four hours
- every time an electrode has been remembraned (calibrate twice)

For detailed instructions, please refer to the manuals.

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