

Nasal Cycle Measurement – Long-term Rhinoflowmetry

Preparation

- Turn the Rhino-Sys on (green LED lights up; system is ready for measurement when yellow LED lights up)
- Turn on the notebook and start the Rhino-Base software “Appmanager Rhino”
- Click „RHINO-MOVE“ (Fig. 1)
- Select appropriate patient and click „New Examination“
- Prepare patient
 - Insert a new battery in the Rhino-Move (Mignon AA, Alkaline >1500 mAh) (Fig. 3)
 - Put on the nasal cannula: **Attention on correct position:** red = right nostril, blue = left nostril (Fig. 5)
 - Put on the ECG electrodes: Find correct positions on the Rhino-Move (Fig. 4, 5)

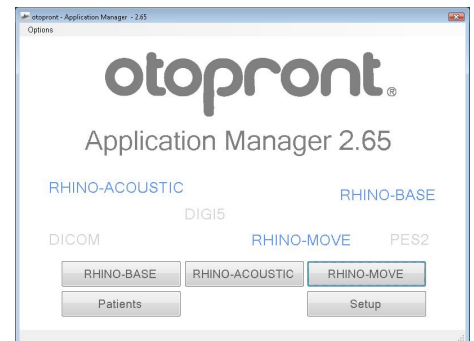


Fig. 1



Fig. 2



Fig. 3

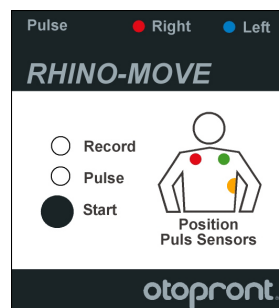


Fig. 4

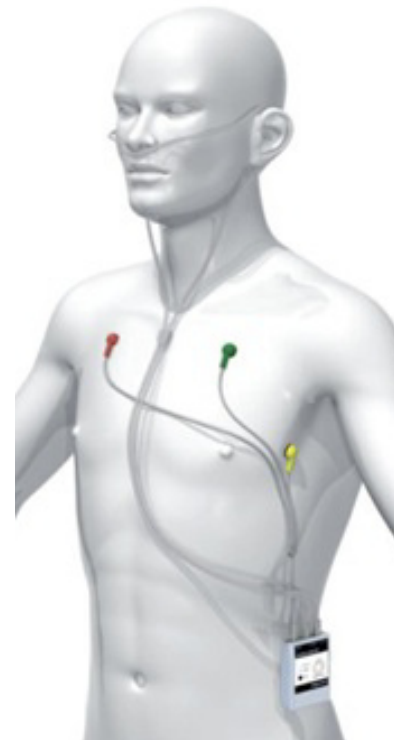


Fig. 5

- Perform the flow calibration:
 - Hold the Rhino-Move with its infra-red transceiver in front of the red window of the Rhino-Base for data transfer
 - Press and hold the Start-button at the Rhino-Move (Fig. 4) for approx. 2 seconds; red LED is flashing in a two second interval
 - Check the ECG signal (correct heart rate on the screen, Fig. 7)
 - Choose „Go to calibration“
 - Place face mask over the patients mouth and nose so no air escapes the mask
 - Tell the patient to breathe calmly and consistently
 - Click „Start calibration“ (Fig. 6); let the patient breathe until the progress bar shows 100% (calibration is automatically saved)

Measurement

- Click “Start measurement” and follow the on-screen instructions
- Press the Start-button at the Rhino-Move (Fig. 4) for approx. 2 seconds (the red LED is flashing in a 5 second interval; the green LED shows the pulse signal)

After the 24 hours measurement:

- Readout the data: click “Readout”; push the Rhino-Move into the slot at the left side of the Rhino-Base and click “Data read” (data transfer takes about 5 minutes)
- Click „Analysis“ to view results (Fig. 8)

Screenshots

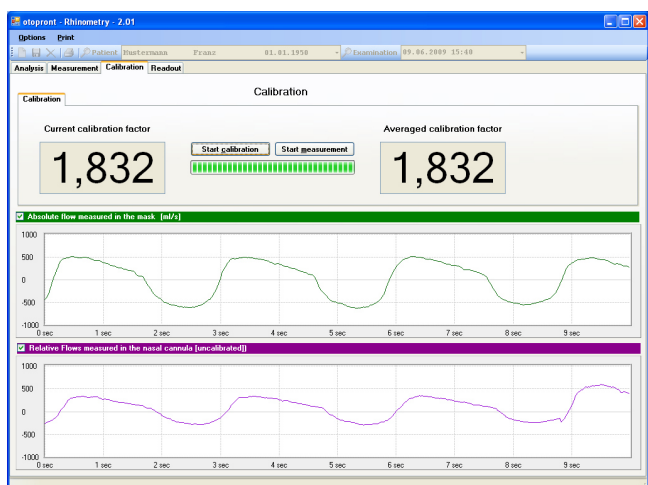


Fig. 6

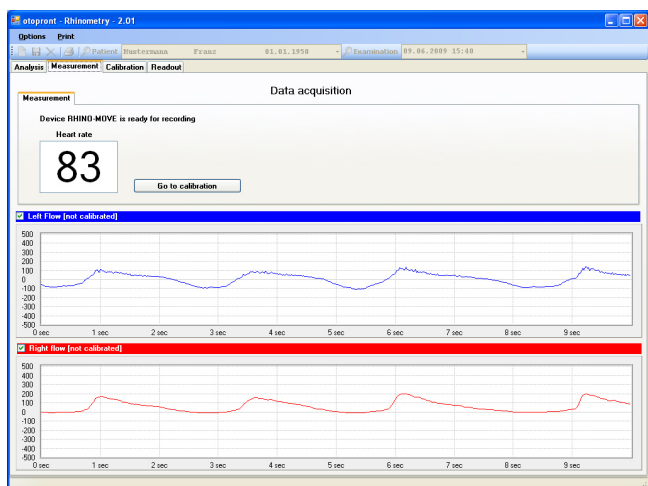


Fig. 7

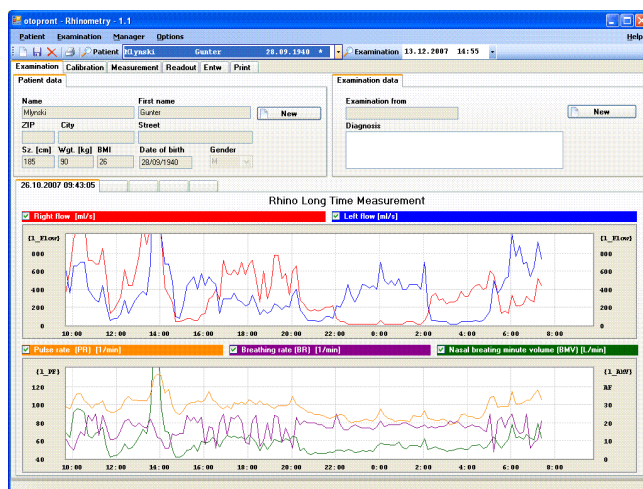


Fig. 8

Spare parts and consumables					
Designation	Pcs	Art. No.	Designation	Pcs	Art. No.
Filter for face mask	5	16242	Nasal tubing set for Rhino-Move	5	17549
	50	16243		25	17550
Nasal pressure hose, silicone	25	16245	ECG Electrodes, Blue Senor L, Latex-free, bag à 25 pcs	1	17539
Nasal pressure hose adapter, metal	25	16240	ECG cable	5	17566
	100	16241		1	17553
Tape, LEUKOSILK, latex-free	1	16249	Batteries LR 6 AA Mignon	4	17535
	5	16269		40	17555
Face mask size 5, large	1	17530	Nose adapter for Rhino-Acoustic, a pair of left/right, medium	5	17564
Face mask size 3/4, medium	1	17531	Nose adapter for Rhino-Acoustic, a pair of left/right, large	25	17565
Face mask size Baby, small	1	17534		5	17576
				25	17577