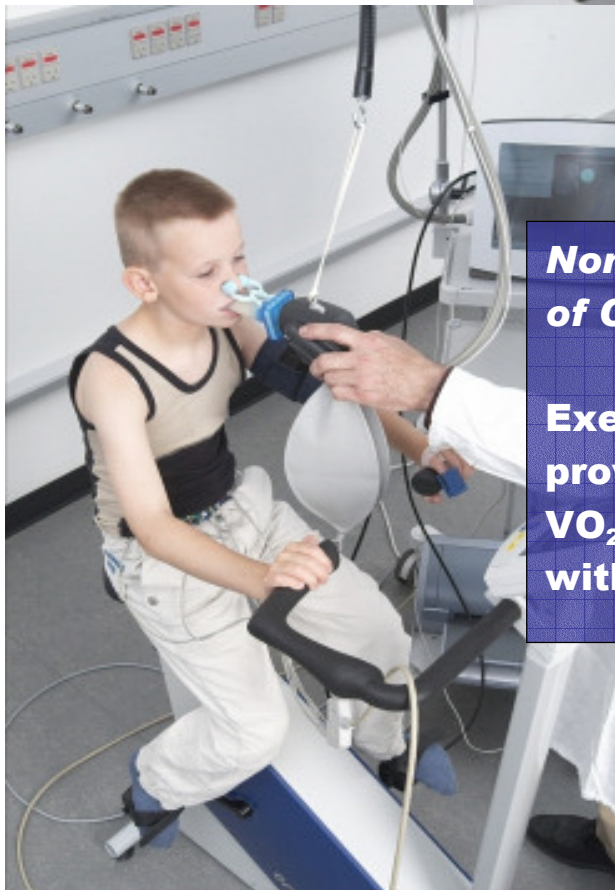


Innocor® for Paediatric Cardiology



***Non-Invasive Measurement
of Cardiac Output***

**Exercise testing for children
providing measurements of
 VO_2 , VCO_2 etc. interactively
with haemodynamic data**

Innocor®

innovision

The Breath-by-Breath (BbB) Option for Innocor®

With the BbB Option for Innocor® you can do breath-by-breath measurements of VO_2 , VCO_2 and V_E and calculate a large number of derived variables such as peak VO_2 , AT, and V_E/VCO_2 . The test is absolutely harmless and simple and can be performed by a child who can understand the breathing procedure.

The following data are calculated for each breath:

Abbreviation	Name	Unit
VO_2	Oxygen consumption	l STPD/min
VCO_2	Carbon dioxide excretion	l STPD/min
R	Respiratory exchange ratio	
V_E	Expiratory minute ventilation	l BTPS/min
V_A	Alveolar ventilation	l BTPS/min
V_D	Anatomical dead space	l BTPS
V_T	Tidal volume	l BTPS
F	Respiratory rate	/min
$F_{ET}O_2$	End-tidal concentration of oxygen	%
$F_{ET}CO_2$	End-tidal concentration of CO2	%
EQO_2	Expiratory quotient / ventilatory equivalent for oxygen	
$EQCO_2$	Expiratory quotient / ventilatory equivalent for CO2	

The on-line BbB option is able to run continuously for > 60 min.

The Innocor® BbB software enables:

- stand alone BbB monitoring
- BbB monitoring during an exercise protocol, at the same time as rebreathing tests are performed at programmed intervals.

During an exercise protocol performing rebreathing tests, the BbB monitoring:

- saves all the BbB parameters, and
- saves an averaged value of the BbB parameters prior to each rebreathing test.