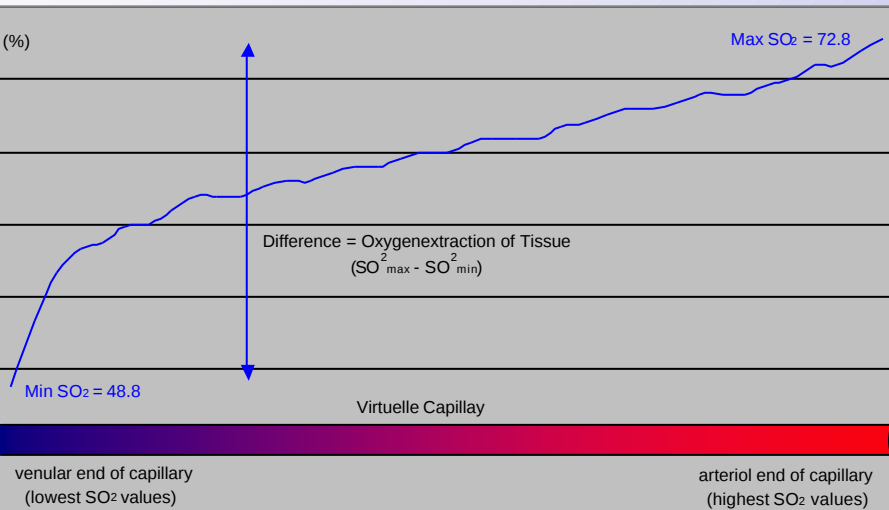


# Non-invasive Recording of Peripheral Oxygen Metabolism in Paediatric Patients after Heart Surgery

J. Gehrmann, Th. Brune, D. Kececioglu, G. Jorch, J. Vogt  
Zentrum für Kinderheilkunde, Allg. Pädiatrie, Kinderkardiologie,  
Universitätskliniken Münster

Measure of 1000 Values in an area of 2x2 cm.



This study revealed that the  $SO_2$ -gradients (Min, Mean, Max) reflect the total cardio-pulmonalis Situation of the patients very well.

- In contrast to the pulsoxi- and BGA-values the peripheral oxygen supply is recorded much more sensitiv.
- This technique allows the monitoring of hemodynamic situations - especially of low-cardiac output-state.

