



Faculty of Health and Medical Sciences



Routine use of ultrasound for early prediction of necrotizing enterocolitis in neonatal pigs

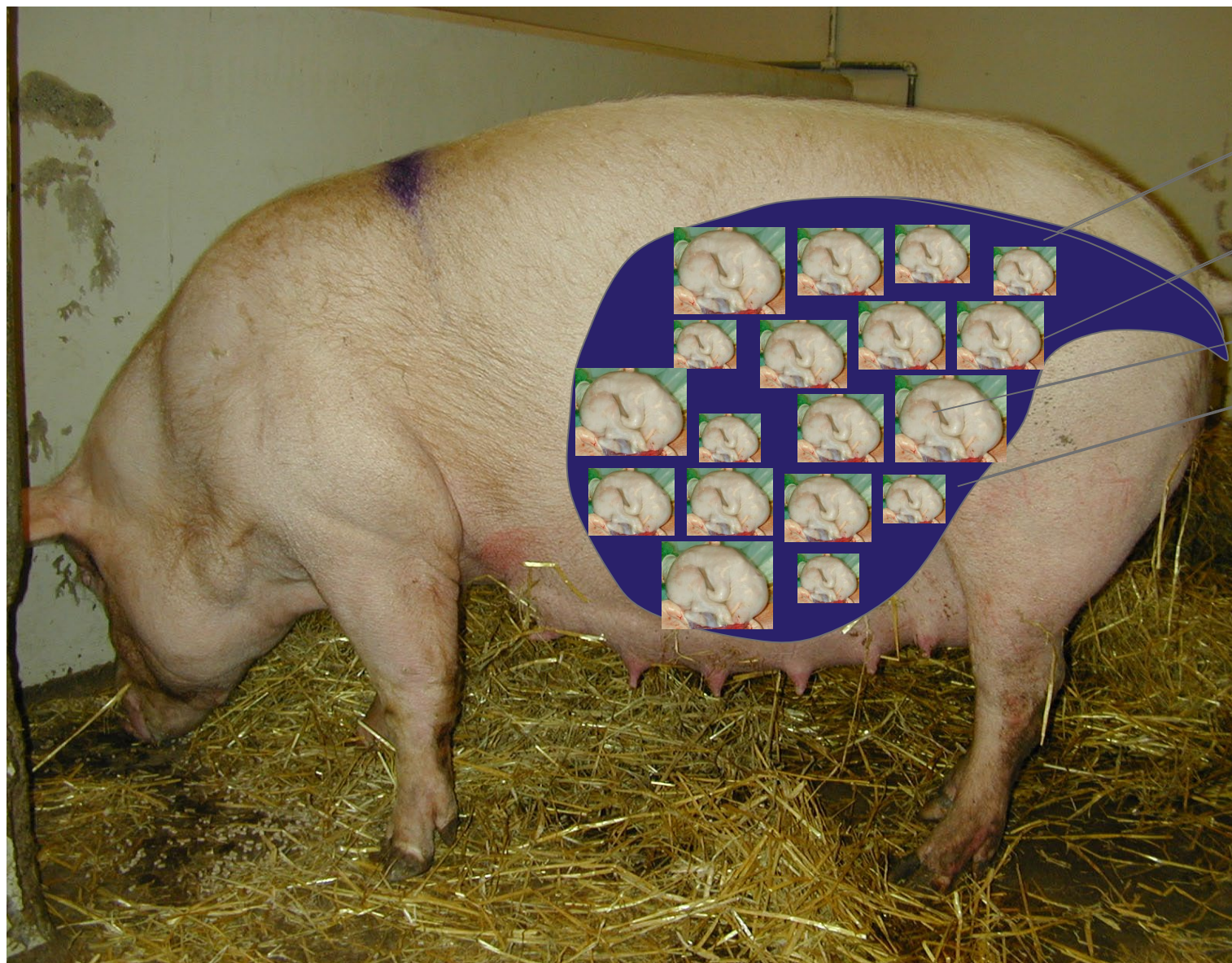
Thomas Thymann, MSc, DVM, PhD, Prof MSO
Comparative Pediatrics and Nutrition
Faculty of Health and Medical Sciences
University of Copenhagen



Predictors of early life mortality and morbidity ?



Variation in maturity at birth ?



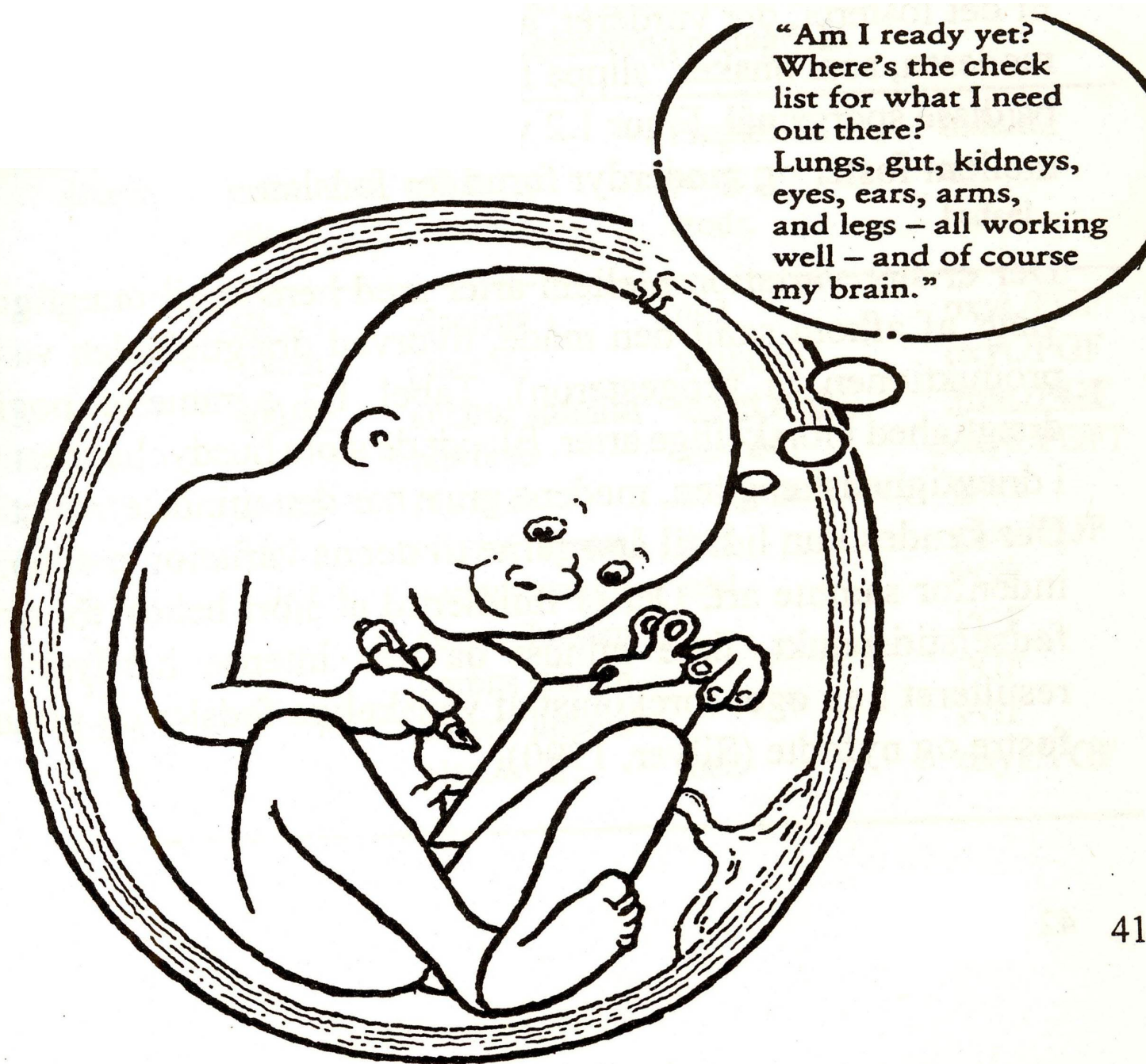
Optimal
timing:

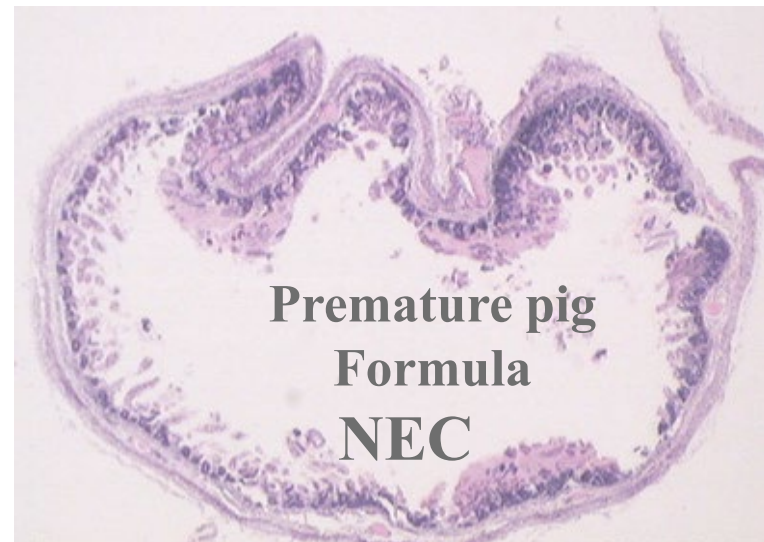
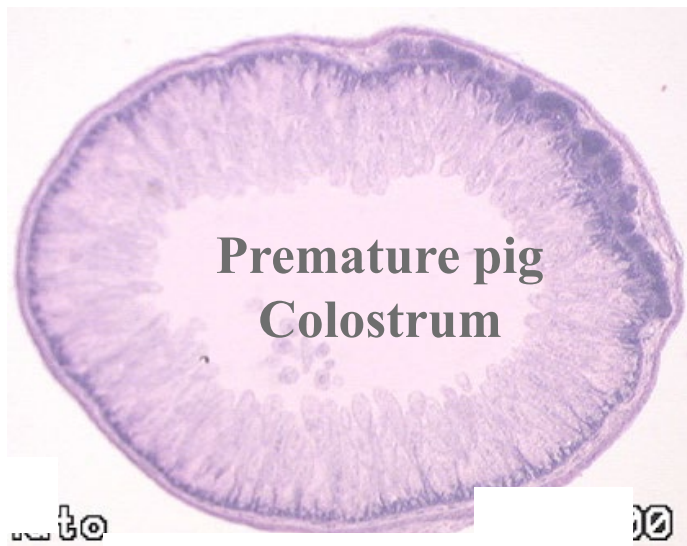
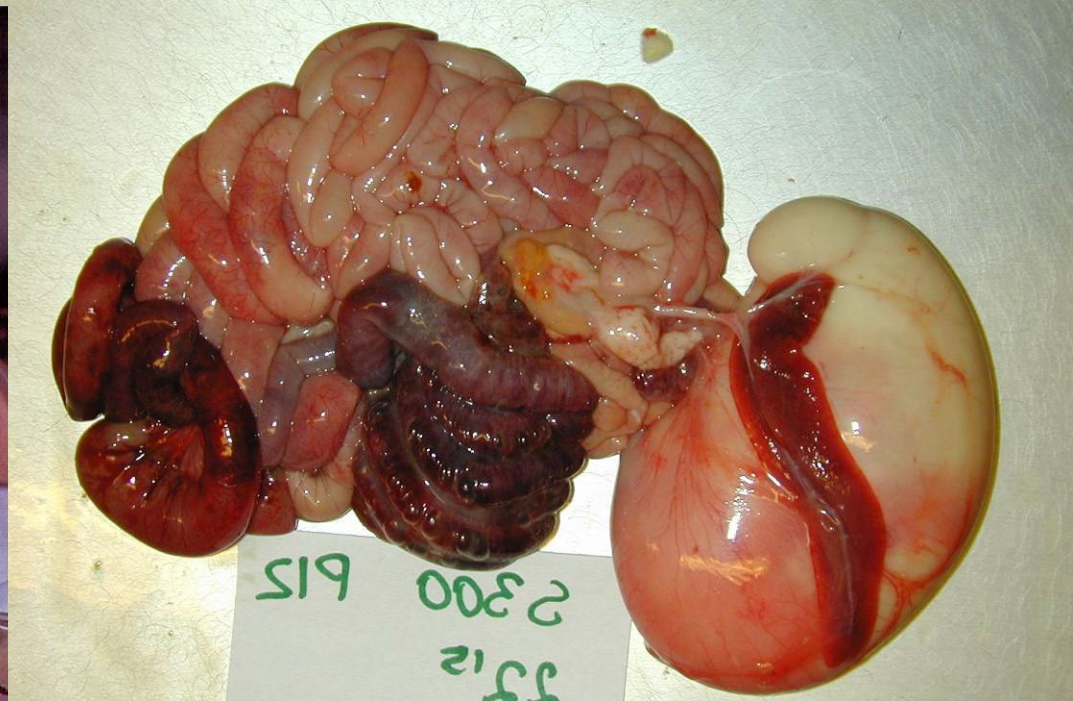
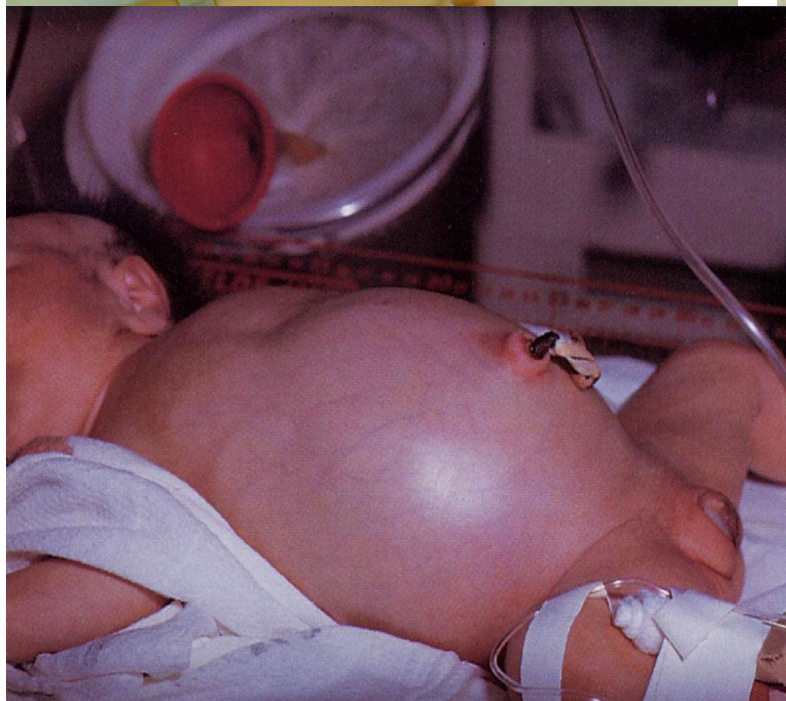
118d

116d

113d

115d





Elective cesarean section on day 106-113 of gestation



Preterm Pig Intensive Care Unit

- to help answer difficult questions!



25 incubators

Respiratory support

Temp./moisture control

Low microbe (germfree)

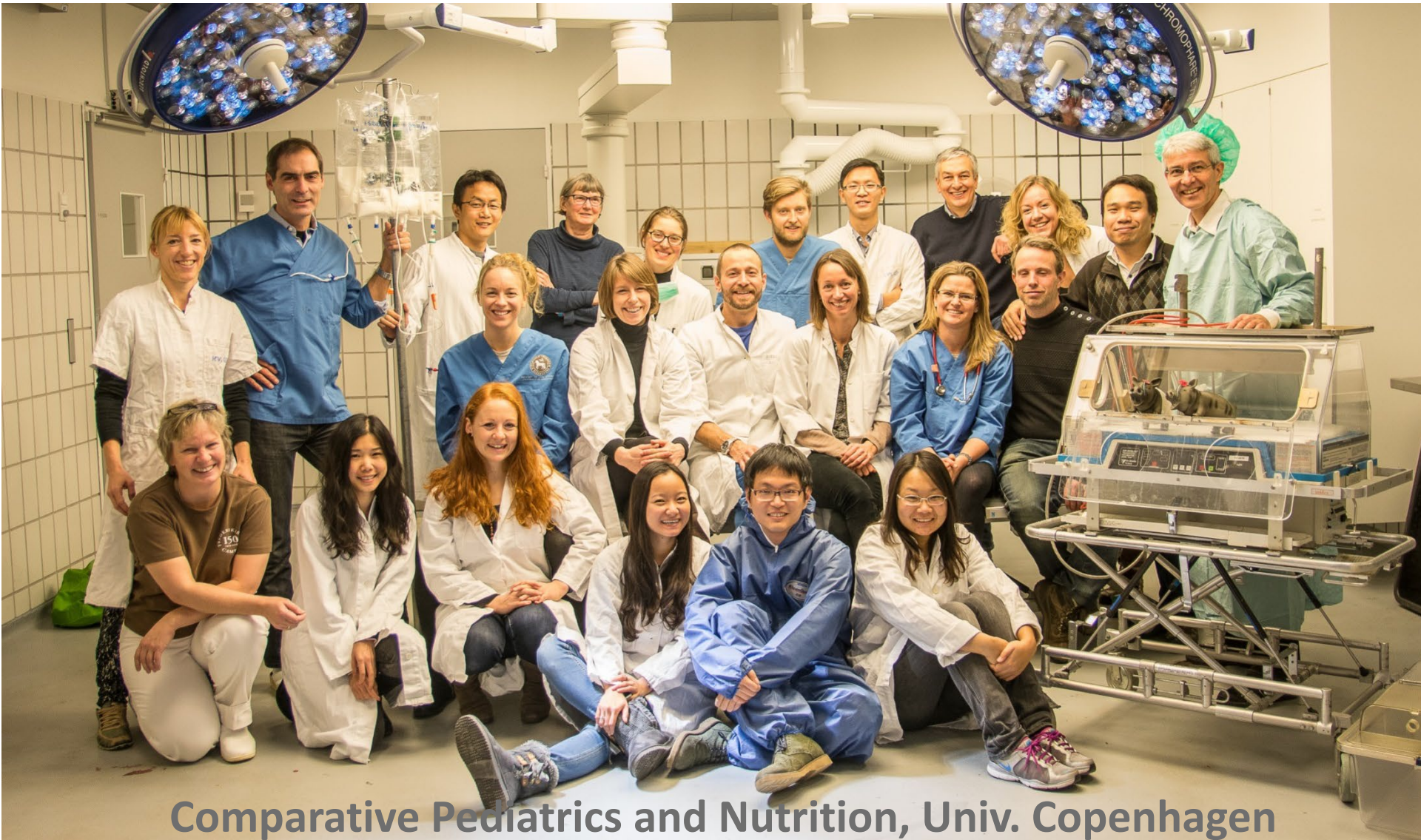
Parenteral/enteral nutrition

24 hour camera surveillance

Portal venous gas or gas in liver parenchyma as a predictor of NEC ?



Thank you for your attention



Comparative Pediatrics and Nutrition, Univ. Copenhagen