

FLOWCHART ALLO-trial

Eligibility criteria (N=220)

Gestational age ≥ 36 weeks

Suspected foetal distress by either:

1. Abnormal or non-reassuring foetal heart rate trace
2. Significant ST-wave abnormalities (as detected by the STAN monitor)
3. Abnormal foetal blood scalp sampling ($\text{pH} < 7.20$)

Absence of congenital, chromosomal or syndromal anomalies

Allopurinol 500 mg IV (n=110)
(dissolved in water for injection)
to the mother in 10 minutes

Placebo IV (n=110) (dissolved in
water for injection) to the mother
in 10 minutes

Immediate delivery

Umbilical cord sampling for foetal
pH, markers of tissue damage,
indices of oxidative stress, lactate
and allopurinol levels

Short term neonatal follow-up

Blood sampling for oxidative stress,
markers of tissue damage,
allopurinol plasma levels, glucose
and lactate, < 1 h after birth and
18-24 h after birth in all children
with clinically indicated blood
sampling.