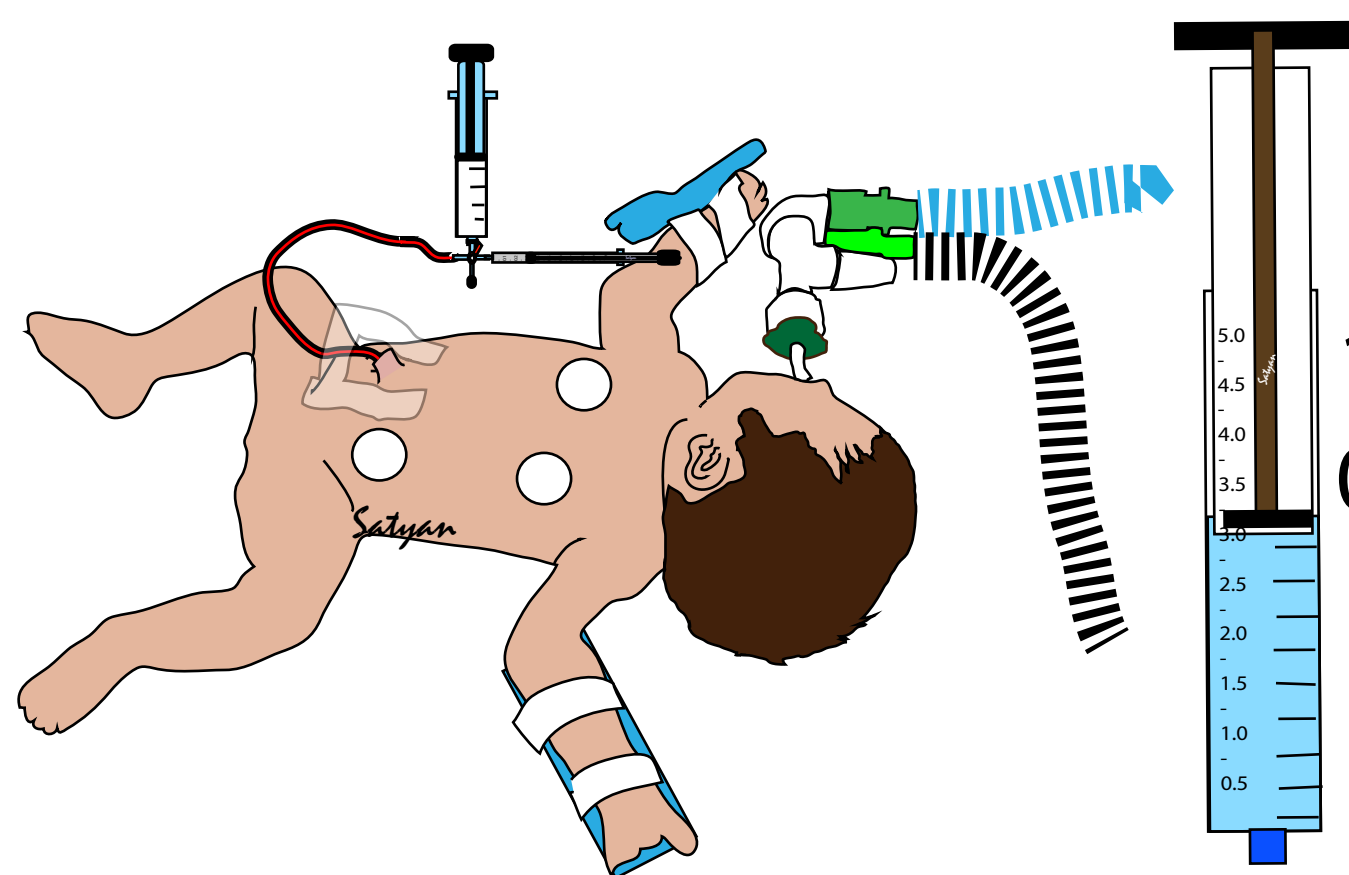


HIP TRIAL

58 infants
<28 wk GA
< 72 h old

MABP (mmHg) < GA (wk) for 15 min
HUS: no IVH ≥ grade 3



Indwelling arterial line
should be present

EXCLUSION:
overt signs of sepsis;
major congenital anomalies;
unlikely to survive;
frank hypovolemia

10 mL/kg
0.9% saline

**STANDARD
TREATMENT (n=29)**
Dopamine 5 mcg/kg/min
escalate to 20 if needed

72%

**RESTRICTIVE
MANAGEMENT (n=29)**
Treat with 5% dextrose

69%

**MULTICENTER
DOUBE-BLIND**

Duration of inotropes:
17.8 (7.5-30.6)h

Additional treatments
for low BP: 38%

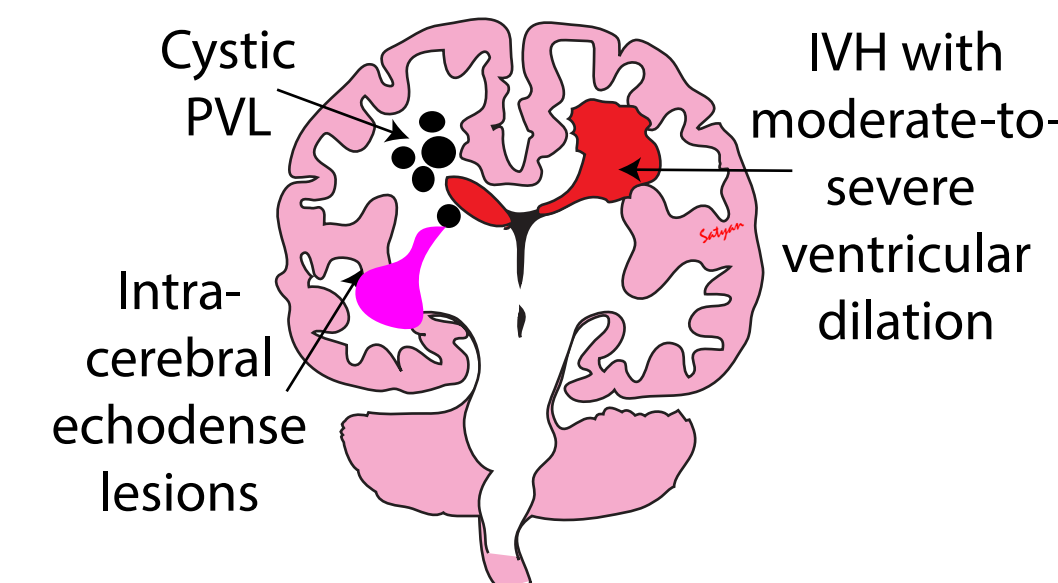
Additional treatment
(epinephrine etc.):
BP > 5 mmHg below
threshold (N=7) or
2/3 signs (N=12):
(BP < 3 mmHg below threshold;
Lactate > 4 mM/L;
Cap refill > 4 s)

Additional treatments
for low BP: 66%*

Duration of inotropes:
13.7 (6.1-24.5)h

Death: 21%

Primary outcome:
Survival to 36 wk
PMA without severe
brain injury: 62%



Primary
outcome:
69%

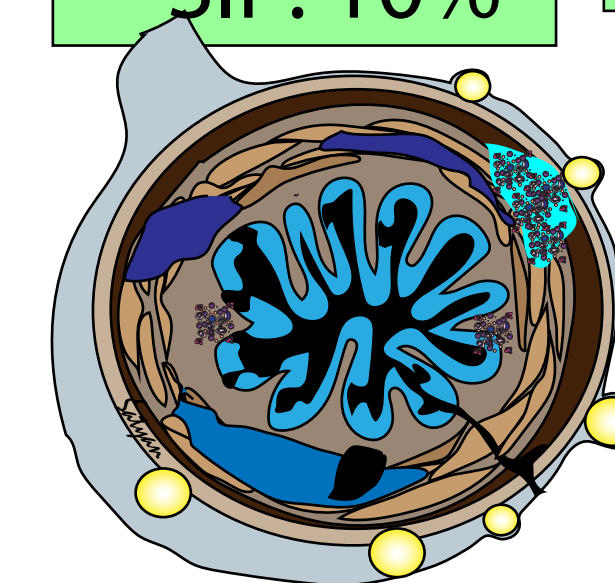
sIVH 3 /4: 7%
PVL: 7%

Death: 28%

Survival without NDD
24 mo CA: 48%

sIVH 3 /4: 17%
PVL: 7%

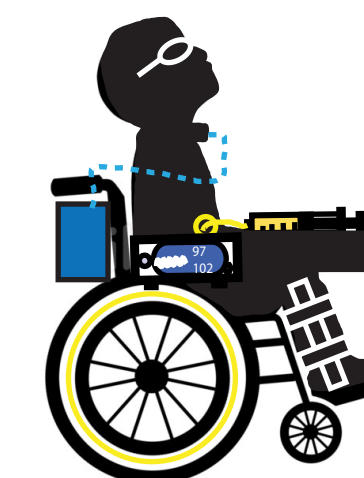
NEC: 3%
SIP: 10%



NEC: 14%
SIP: 10%

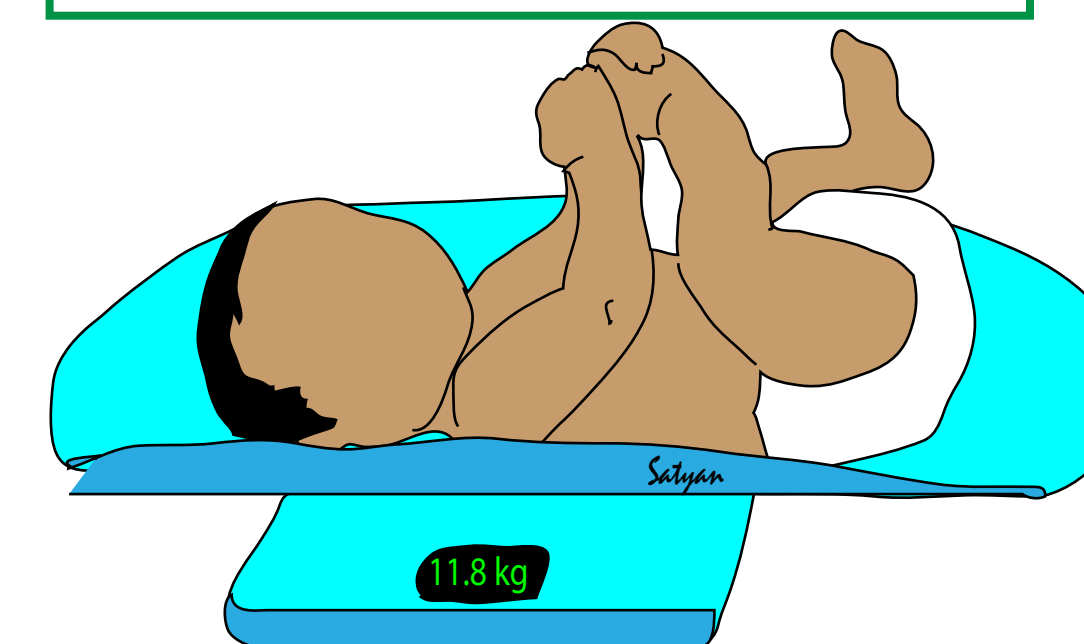
Cognitive index:
84.3 (19.9)
Motor index:
82.9 (19.9)

Survival without NDD
24 mo CA: 25%
(OR: 2.79 (0.89 to 8.72)
p = 0.078



Birth wt: 687 (147)g

Growth at follow-up:
Height: 83.9 (4.1) cm
Weight: 10.6 (1.5) kg
Head C: 46.6 (1.9) cm



Birth wt: 740 (172)g

Growth at follow-up:
Height: 86.9 (3.6) cm*
Weight: 11.8 (1.6) kg*
Head C: 47.7 (2.4) cm