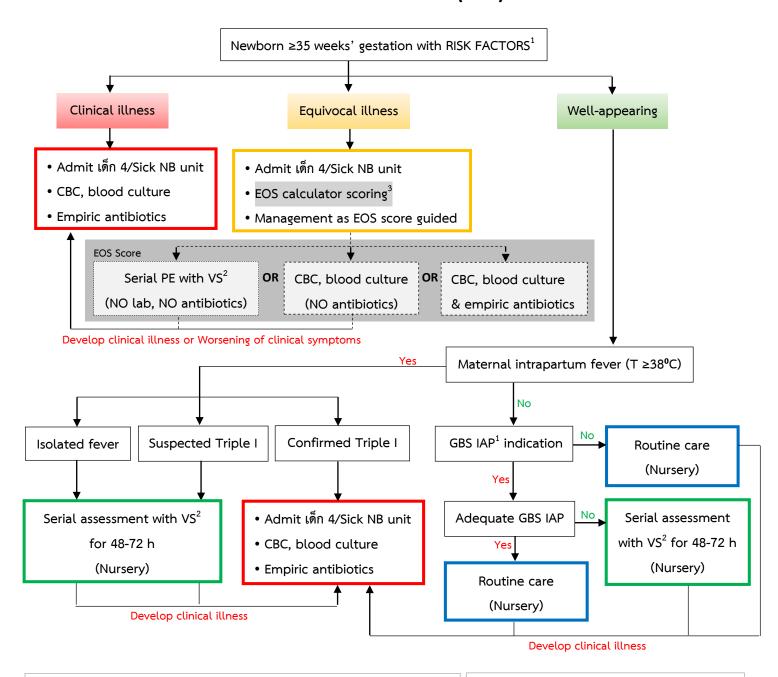
# **NEONATAL EARLY ONSET SEPSIS (EOS) GUIDELINE**



#### RISK FACTORS<sup>1</sup>/indication for GBS intrapartum antibiotic prophylaxis (IAP)<sup>1</sup>

- Maternal intrapartum fever and/or intrauterine inflammation or infection (Triple I)
- GBS bacteriuria during any trimester of the current pregnancy
- Previous infant with invasive GBS disease
- Maternal positive for GBS culture during current pregnancy
- Late preterm  $\geq$ 35 $^{0/7}$  to 36 $^{6/7}$  weeks gestation with true labor pain and/or ROM regardless of rupture duration
- Term (≥37 weeks) with ROM ≥18 hours

#### Serial assessment with VS<sup>2</sup>

Assessment by nurse: 1 time per shift

VS: vital signs monitoring every 4 h for 24 h then every 4-8 h until discharge

# Clinical illness (at anytime during the admission)

- Supplemental O<sub>2</sub> requirement ≥2 h and/or need for CPAP (outside the delivery room), HFNC, mechanical ventilator
- Hemodynamic instability requiring fluid bolus or vasoactive drugs
- Perinatal depression, lethargy, irritability, apnea, seizure
- Poor feeding

# Equivocal illness

- One abnormal parameter for ≥4 h after birth
- ≥2 abnormal parameters ≥2 h after birth
- Not requiring supplemental O<sub>2</sub>

#### Parameter

- 1. T >  $38^{\circ}$ C or <  $36.5^{\circ}$ C
- 2. HR >160/min
- 3. RR >60/min
- 4. Respiratory distress

# Maternal intrapartum fever OR Triple I Classification

### Isolated maternal fever

- 1) Maternal oral temperature ≥39.0°C on any one occasion is documented fever.
- 2) If the oral temperature is  $38.0 39.0 \,^{\circ}$ C, repeat the measurement in 30 min; if the repeat value remains  $\geq 38.0 \,^{\circ}$ C, it is documented fever.

# Suspected Triple I

Fever without a clear source plus any of the following:

- 1) Baseline fetal tachycardia (FHR >160/min for ≥10 min, excluding accelerations, decelerations, periods of marked variability
- 2) Maternal WBC >15,000/cu mm in the absence of corticosteroids
- 3) Definite purulent fluid from the cervical os

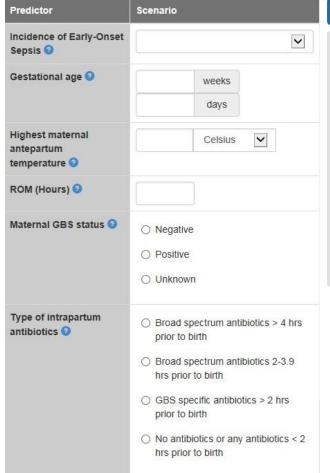
# Confirmed Triple I

Suspected triple I plus:

- 1) Amniocentesis-proven infection through a positive Gram stain
- 2) Low glucose or positive amniotic fluid culture
- 3) Placental pathology revealing diagnostic features of infection

# Neonatal Early Onset Sepsis (EOS) Calculator Scoring<sup>3</sup>

เข้า website <a href="https://neonatalsepsiscalculator.kaiserpermanente.org">https://neonatalsepsiscalculator.kaiserpermanente.org</a> เพื่อคำนวณ risk score และ management





**ตัวอย่าง** หลังจากคำนวณโดยใช้ EOS calculator สำหรับ equivocal illness (ในทารกรายนี้แนะนำให้ตรวจ lab และให้ antibiotics)