

PHYSIOLOGICAL
CHANGES DURING
PREGNANCY

Altered
maternal
immunity



↑ PaO₂
↑ SpO₂
↓ PaCO₂
↑ Oxygen
consumption

↑ Tidal volume
↓ FRC
Mild respiratory alkalosis

↑ Elevation of the diaphragm
Wide costal angle


Risk of GE
reflux and
aspiration

CONDITIONS
DURING PREGNANCY
THAT INCREASE
RISK FOR SEVERE
ARDS

↑ Heart rate
↑ Blood volume
↑ Blood pressure
↑ Cardiac output

Obesity
Smoking
Asthma
Diabetes
Hypertension
Preeclampsia
Social determinants
of health

↑ Plasma volume
↑ RBC volume
Leukocytosis
Hgb/Hct-slightly
decrease



↑ RAAS system

↑ ACE2
↓ TMPRSS2
in placenta

