



# Improving Pregnancy Education and Care

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# About Parvovirus B19 and Pregnancy

## 'Fifth Disease' / 'Slap Cheek' / 'Erythema Infectiosum'

### Infection Risk

Up to 7 days before rash; none if rash present

### Spread

Human to human only (airborne respiratory droplet; direct contact with contaminated surfaces or infected individuals)

**Incubation** 4-20 days

**Seroconversion** Within 28 days

**Adult Symptoms** Usually none, mild rash, rarely arthralgia

**Child Symptoms** Rash on cheeks +/- lacy rash on body especially after bath

**Immunity** 60% adults

**Fetal Risks** Usually none, fetal demise (9%), rarely anaemia or hydrops (3%)

**Maternal Fetal Transmission** 50%



## Parvovirus B19 Management

### Maternal Serology

#### Susceptible

IgM NEG, IgG NEG

If recent exposure - repeat in 28 days

#### Recent Infection

IgM POS, IgG NEG or IgG POS

Compare with booking bloods for seroconversion

#### Past Infection

IgM NEG, IgG POS (ideally compare with booking bloods)

### Management if IgM Positive

Ultrasound scans for 12 weeks after serology confirmation

- under 18 weeks - scan 2-3 weekly for hydrops
- over 18 weeks - scan weekly for MCA Vmax

### Refer to Fetal Medicine Unit if Abnormal Scan

## Fetal Medicine Unit

University Hospital Wales

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