

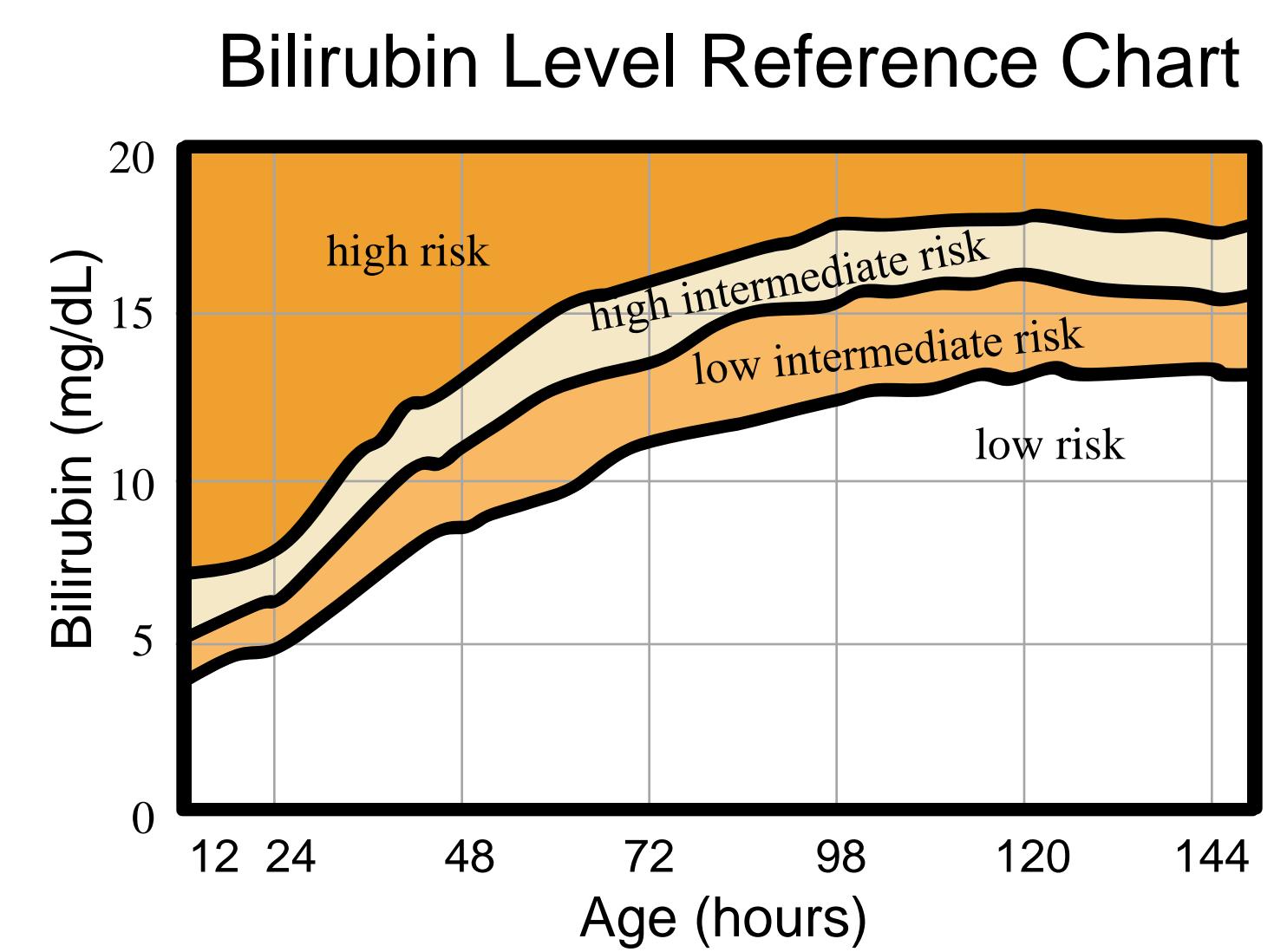
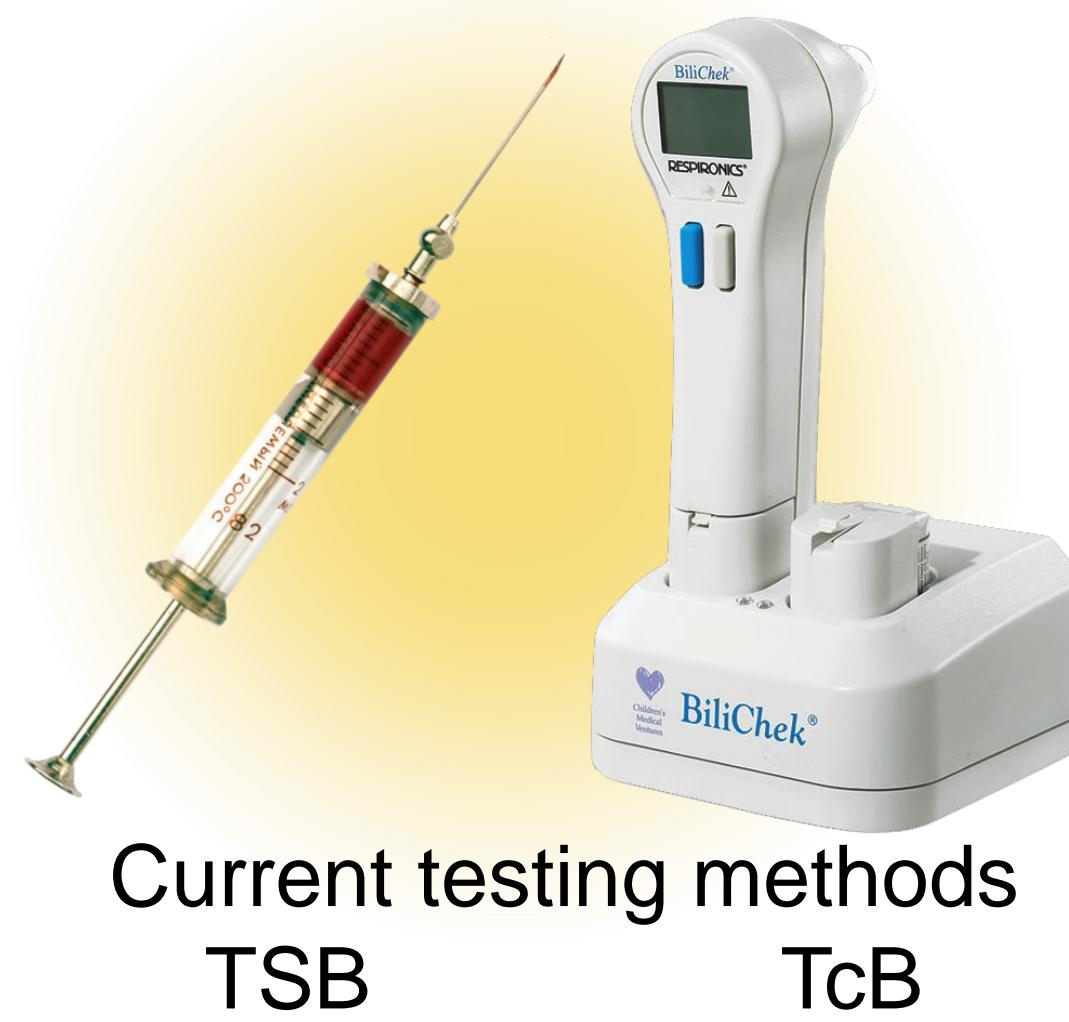
# BiliCam

Using Mobile Phones to Monitor Newborn Jaundice

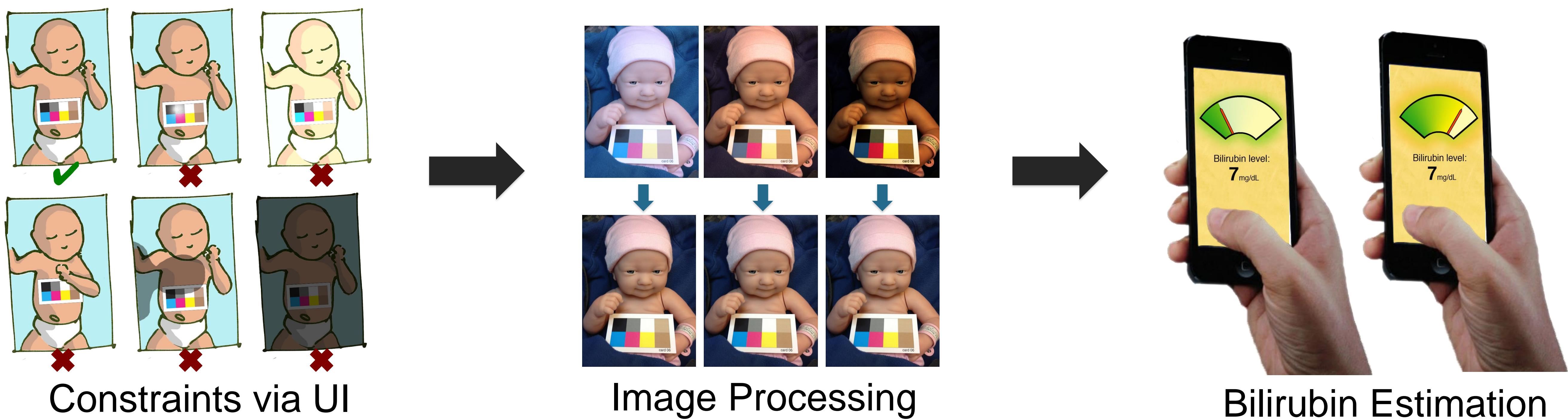


## Bilirubin

- High bilirubin levels yellow the skin
- Common: visible in 84% of newborns
- Extreme levels lethal, but treatable
- Every newborn tested



## Technology



## Evaluation

- Clinical Study
- 100 newborns
- Ground Truth: TSB (blood draw)
- Control: TcB

## Results

- BiliCam
  - 0.85 rank order correlation
  - 2.0 mg/dl mean error
- TcB
  - 0.92 rank order correlation
  - 1.5 mg/dl mean error

