

Jaundice

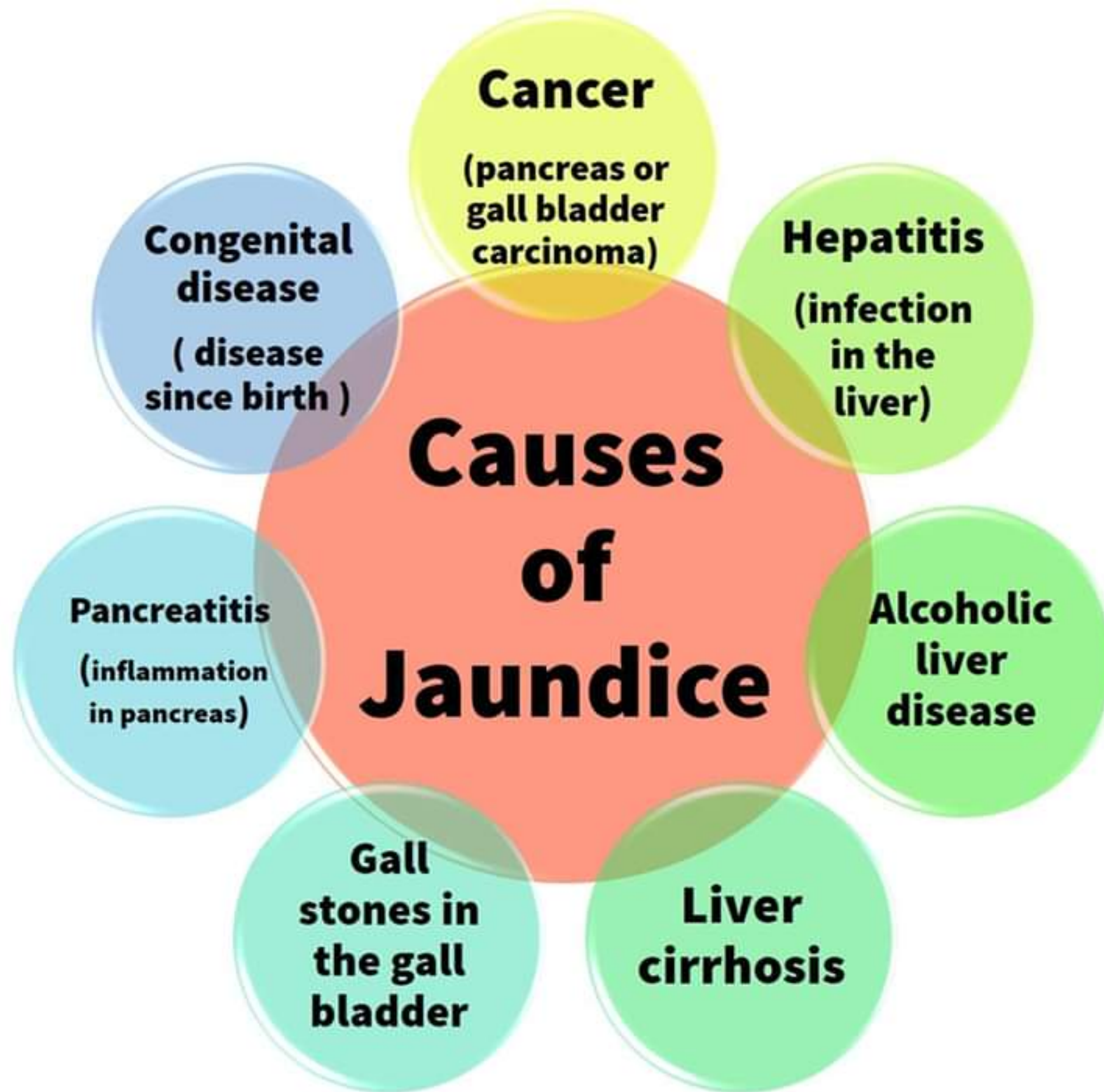
Normal

Causes of Jaundice

- **Conditions like yellow fever, tuberculosis, malaria**
- **Glucose deficiency**
- **Various drugs**
- **Liver problems**
- **Malformations of bile duct**
- **Pregnancy.**

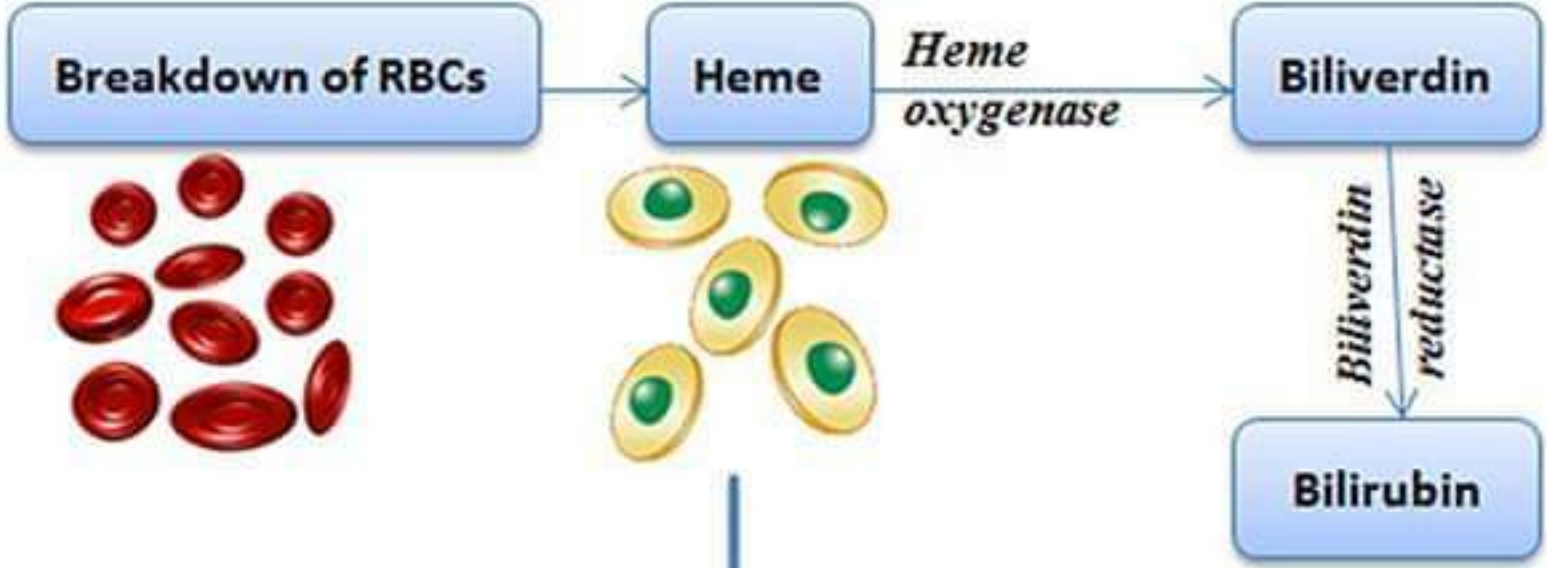
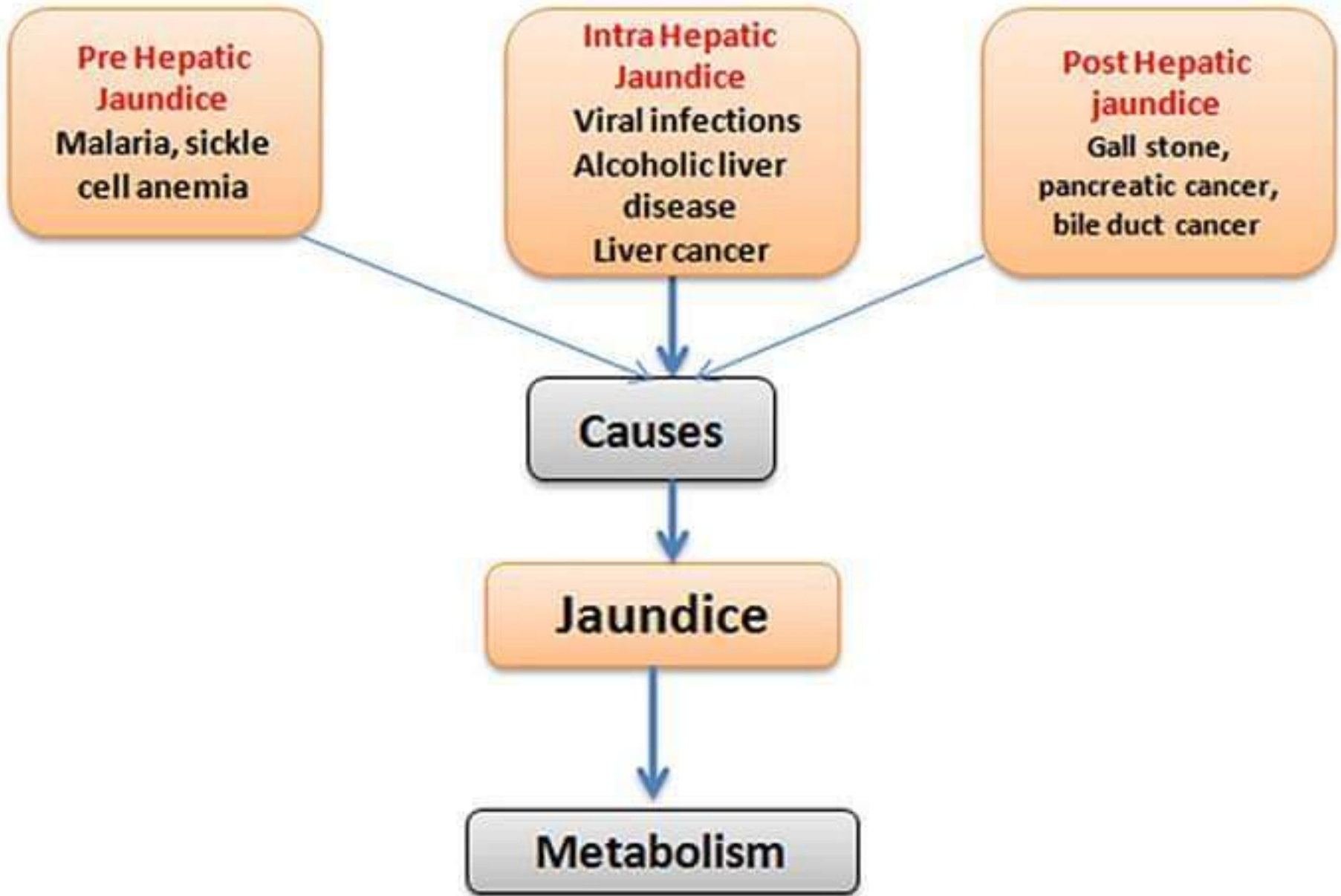
TYPES OF JAUNDICE

TYPE	PRE HEPATIC	HEPATIC	POST HEPATIC
Urine color	normal	dark	dark
Stool color	normal	normal	acholic
Pruritus	no	No	yes

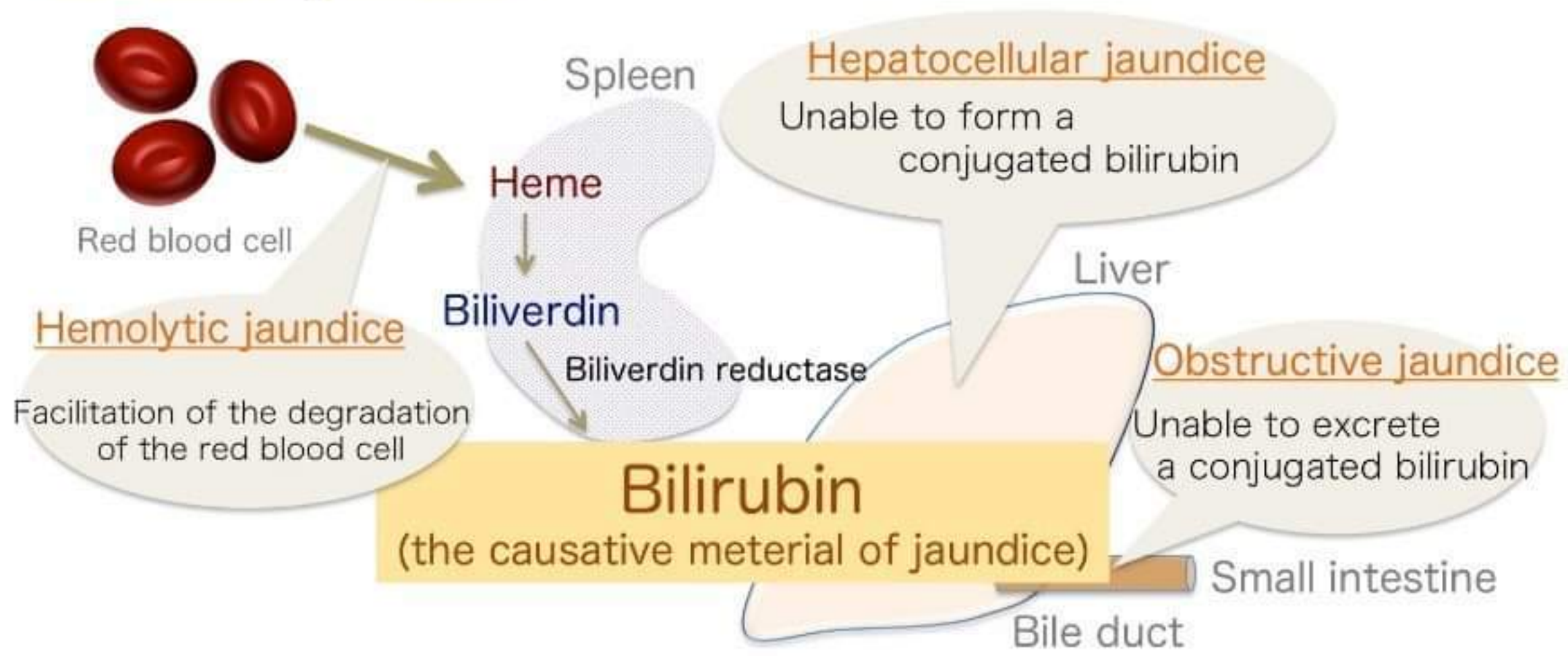


Intrahepatic causes of cholestatic jaundice

- 1) Viral Hepatitis
 - A. Fibrosing cholestatic hepatitis – Hep. B & C
 - B. Hep. A, EBV, CMV
- 2) Alcoholic Hepatitis
- 3) Drug toxicity
 - A. Pure cholestasis- Anabolic & contraceptive steroids
 - B. Cholestatic hepatitis- chlorpromazine, erythromycin, Amoxiclav
 - C. Chronic cholestasis- chlorpromazine & prochlorperazine
- 4) Primary Biliary cirrhosis
- 5) Primary Sclerosing cholangitis
- 6) Vanishing Bile duct Syndrome
 - A. Chronic rejection of liver transplant
 - B. Sarcoidosis
 - C. Drugs
- 7) Non hepatobiliary Sepsis
- 8) Benign post-operative cholestasis
- 9) Para neoplastic Syndrome
- 10) Veno-occlusive disease
- 11) GVHD
- 12) Inherited
 - A. Progressive familial intrahepatic cholestasis
 - B. Benign recurrent cholestasis
- 13) Cholestasis of pregnancy
- 14) Total Parenteral Nutrition
- 15) Infiltrative diseases
 - A. TB
 - B. Lymphoma
 - C. Amyloidosis
- 16) Infections
 - A. Malaria
 - B. Leptospirosis



Cause of jaundice



Classification of neonatal jaundice

Physiologic jaundice

- Appears after 24 hours
- Maximum intensity by 4th-5th day in term & 7th day in preterm
- TSB levels within normal centiles for age in hours based on normogram.
- Clinically not detectable after 14 days
- Disappears without any treatment.

Pathologic jaundice

- Appears within 24 hours of age
- Increase of bilirubin $> 5 \text{ mg / dl / day}$ or at a rate of $>0.2 \text{ mg/dl/hr}$
- Serum bilirubin >95 percentile for age in hours based on normogram.
- Jaundice persisting after 14 days in fullterm babies.
- Stool clay / white colored and urine staining clothes yellow
- Direct bilirubin $> 2 \text{ mg / dl}$ or $>20\%$ of TSB.