

## JAUNDICE

## PRIMARILY UNCONJUGATED BILIRUBIN

Increased production	Portocaval shunt
Erythropoiesis, ineffective	Sepsis
Hemolysis	Decreased bilirubin conjugation (decreased glucuronyl transferase activity)
Extravascular	Acquired transferase deficiency
Intravascular	Drugs
Hemolytic anemia	Hepatocellular disease
Pulmonary infarction	Crigler-Najjar syndrome
Resorption of hematoma or hemoperitoneum	Gilbert's syndrome
Transfusion with old blood	Neonatal jaundice
Decreased hepatic uptake	Sepsis
Fasting, prolonged	
Gilbert's syndrome	

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## IMPAIRED HEPATIC EXCRETION

Acquired	Intrahepatic cholestasis (recurrent, benign)
Cholangitis	Rotor syndrome
Cirrhosis	Miscellaneous
Cholestasis	Amyloidosis
Drugs	Congestive heart failure
Toxins	Hepatic malignancy
Hepatitis	Hepatic trauma
Hepatocellular disease	Sarcoidosis
Familial or hereditary disorders	Sepsis
Dubin-Johnson syndrome	Shock
Cholestatic jaundice of pregnancy	Toxemia of pregnancy

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## EXTRAHEPATIC BILIARY OBSTRUCTION

Acquired	Gallbladder
Cholangitis	Pancreas
Choledocholithiasis	Familial or hereditary disorders
Cholelithiasis	Bile duct atresia
Common duct injury	Cholestatic jaundice of pregnancy
Compression, external	Cystic fibrosis
Pancreatitis, chronic	Dubin-Johnson syndrome
Strictures	Idiopathic dilatation of common bile duct
Common duct	Intrahepatic cholestasis (recurrent, benign)
Sphincter of Oddi	Rotor syndrome
Tumor	
Ampulla of Vater	
Bile ducts	

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EFFECTS OF DRUGS	
Acetaminophen	Ethambutol
Anabolic steroids	Etretinate
Azathioprine	Fusidic acid
Benzodiazepines	Halothane
Chlordiazepoxide	Idoxuridine
Diazepam	Immune globulin
Carbamazepine	Methyldopa
Chloral hydrate	Methylene blue (neonates)
Chlorpropamide	Nitrofurantoin
Cyproheptadine	Nonsteroidal anti-inflammatory agents
Dantrolene	Benoxaprofen
Dapsone	Diclofenac
Dinoprostone (neonatal)	Diflunisal
Disopyramide	Ibuprofen
Enflurane	Phenylbutazone
Erythromycin (estolate, ethylsuccinate)	

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EFFECTS OF DRUGS	
Oral contraceptives	Sulfonamides
Paraaminosalicylic acid	Cotrimoxazole
Penicillamine	Sulfonylureas
Phenazopyridine	Tolbutamide
Phenothiazines	Tetracyclines
Chlorpromazine	Demeclocycline
Fluphenazine	Minocycline
Perphenazine	Oxytetracycline
Prochlorperazine	Ticlopidine
Thioridazine	Tricyclic antidepressants
Propoxyphene	Amitriptyline
Pyrazinamide	Desipramine
Rifampin	Imipramine
Spectinomycin	Valproic acid

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EFFECTS OF TOXIC AGENTS	
Arsine	Hexachloronaphthalene
Bismuth	Hydroquinone
Carbon tetrachloride	Methylenedianiline
Copper	Monomethylhydrazine mushrooms
Cyclopeptide mushrooms	Oxyphenisatin
Diethylene glycol	Phenols
Dimethylsulfate	Phosphine
Dinitrophenols	Phosphorus

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