**Renal Diseases**

- Antibiotics safe in liver disease
- Pen VK: Normal dose
- Amoxicillin
- Amoxicillin with clavulanate acid
- Clindamycin: Normal dose with Hepatitis
- Clarithromycin: Normal dose with normal kidney function
- Metronidazole: Normal dose with mild liver disease
- Doxycycline: Normal dose
- IV Vancomycin: Normal dose

**Liver Diseases**

- **Antibiotics with Alerts**
  - Azithromycin: Avoid
  - Clindamycin: 50% dose with Cirrhosis
  - Metronidazole: 50% dose with moderate or severe liver disease
  - Tetracycline HCL: Avoid

**Pregnancy and Lactation**

- **Table 1**: FBA Pregnancy Categories

**Cardiovascular Diseases**

- All antibiotics can be used

**Artificial Prosthesis: Joint Replacement**

- NSAIDs should not be used with digoxin

**Diabetes**

- All antibiotics are safe. Caution in bleeding diathesis ceftriaxone, cefoperazone, can cause bleeding

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- **CBC, ESR, INR, PT, APTT, CT, Liver function tests, Urine routine**