Needlestick Injury Immediate Care and BBV Risk Assessment

**Wound Care**
- **DO:**
  - Encourage bleeding
  - Wash with soap & warm water
  - Irrigate mucous membranes with water or saline
  - Eye: remove contact lenses
- **DON'T:**
  - Suck wound
  - Sniff injury site when washing
  - Use bleach
  - Swallow water if irrigating mouth

**Inform Occupational Health & Supervisor**

**Identify:**
- Nature of exposure
- Body fluid involved

**High-risk Exposure:**
- Percutaneous injury
- Exposure of broken skin
- Exposure of mucous membrane

**Low-risk Exposure:**
- Splash on intact skin

**High-risk body fluid:**
- Blood
- Semen
- Vaginal secretions
- Breast milk
- Amniotic fluid
- CSF
- Saliva (not with dentistry)
- Percutaneous Peritoneal/Synovial fluid
- Fluid from burn/union lesion
- Uninfected tissue/organ
- Bloodstained low-risk fluid

**Low-risk body fluid (unless bloodstained):**
- Urine
- Saliva
- Vomit
- Faeces

**Significant Exposure**
- Nonsignificant Exposure
  - Do not give PEP
  - Follow up not indicated

**Take blood for storage**

**HIV**
- **Identity of Source known?**
  - **No**
    - HIV PEP: No
    - Offer follow-up testing
  - **Yes**
    - Source HIV Serostatus
      - **HIV +ve**
        - HIV PEP: Yes (Unless VL<40 copies/ml)
        - Recommend follow-up testing
      - **Unknown**
        - Indication to repeat test
        - Source testing: if possible
        - Offer follow-up testing
      - **HIV PEP: No**
        - Offer follow-up testing

**HBV**
- **HBsAg positive source**
- **Unknown source**
- **HBsAg negative source**

**HCV**
- No HCV PEP available
- Offer follow-up testing

**Significant exposure**

**HBV status of person prior to exposure**
- **Unvaccinated**
  - Accelerated course of HepB vaccine plus HBIG with first dose
- **Partially vaccinated**
  - One dose of HepB vaccine and finish course
  - One dose of HepB vaccine and finish course
  - Complete course of HepB vaccine
- **Fully vaccinated with primary course**
  - Booster dose of HepB vaccine if last dose ≥7 years ago
  - Consider booster dose of HepB vaccine if last dose ≥7 years ago
  - No HBV prophylaxis: reassure
- **Known non-responder to HepB vaccine (anti-HB) <10mIU/ml 1-2 months after vaccination**
  - HBIG
  - Booster dose of HepB vaccine
  - A second dose of HBIG should be given after one month
  - A second dose of HBIG should be given after one month