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- ♦ Viral Hepatitis Historical Perspective
- ♦ Classification of Hepatitis Viruses
- ♦ Basic Features of Hepatitis Viruses
- ♦ Mechanism of Injury
- ♦ Viral Hepatitis Overview
- ♦ Hepatitis E Virus--A new understanding of an old disease--Experience in England
- ♦ Hepatitis E virus in endemic regions
- ♦ Hepatitis E virus in nonendemic regions
- ♦ HEV Infections in England and Wales (2005 study)
- ♦ Indigenous HEV in England and Wales
- ♦ Investigating transmission routes in the UK
- ♦ HEV Seroprevalence in England
- $\Rightarrow \quad \text{HEV prevalence by age-group 1991}$
- ♦ HEV prevalence by age-group 1991 vs 2004
- ♦ HEV prevalence: 1991 vs 2004
- \diamond Why the 1950s?
- ♦ Incidence estimates
- ♦ Parenteral transmission of HEV
- ♦ Chronic Hepatitis E Virus
- ✤ Implication of hepatitis E virus carriage in HIV infection
- ♦ HEV co-infection in HIV pos individuals
- ♦ HEV co-infection in HIV pos individuals
- ♦ Indigenous HEV infections Questions?
- ♦ Hepatitis E Virus--A new understanding of an old disease--Experience in Italy
- ♦ Hepatitis E in Italy
- ♦ Acte Hepatitis E: Definition
- ♦ Hepatitis E in Italy: Results
- ♦ Hepatitis E in Italy: conclusions
- ♦ Locally Acquired Hepatitis E Infections in San Antonio
- ♦ First Recognized Outbreak of Hepatitis E
- ♦ Background: 1995 1999
- ♦ Geographic Distribution of HEV
- ♦ Hepatitis E Clinical Features
- ♦ Epidemiology Comparison with HAV
- ♦ Epizootiology
- ✤ Is endemic HEV (genotype 3) in developed countries a foodborne illness?

- ♦ Swine HEV in Pigs
- \diamond Prevalence of anti-HEV
- ♦ Prevalence of Anti-HEV U.S. Workers with Exposure to Swine
- ♦ Sequence Analysis of HEV Sequence
- ♦ HEV Investigation
- ♦ Case #1
- ♦ Hepatitis E in Pregnant Women
- ♦ Case # 2
- \diamond Case #3
- ♦ Why such a high prevalence of anti-HEV in the United States, Where acute HEV is rare?
- \diamond What could be possible exposures?
- ♦ Remaining Questions
- ♦ Performance of Available Anti-HEV Tests
- ♦ Facts/Conclusions

- \diamond Introduction to this Course
- ♦ Course Contents
- ♦ Lesson 1: Infections
- ♦ A Patient's Story
- ♦ Why are Dialysis Patients at Risk for Infection?
- ♦ Infections in Dialysis Patients
- ♦ National Burden of Dialysis Infections : A Cause for Concern
- ♦ How Do Infections Happen?
- ♦ Your Role in Contact Transmission
- ♦ Spread of Respiratory Infections
- ♦ What Can You do to Prevent the Spread of Infections?
- ♦ Lesson 2: Standard Precautions
- ♦ Standard Precautions for all Healthcare Workers
- ♦ Perform Hand Hygiene : *How to perform hand hygiene*
- ♦ Perform Hand Hygiene : When you should perform hand hygiene
- ♦ Use Personal Protective Equipment (PPE) Correctly
- ♦ Follow Safe Injection Practices
- ♦ Lesson 3: Recommendations
- ♦ Specific Infection Control Precautions for Hemodialysis Healthcare Workers
- ♦ Wear Gloves During Patient Care
- ♦ Use Personal Protective Equipment (PPE)
- ♦ Basic Steps in Fistula/Graft Care
- ♦ Basic Steps in Fistula/Graft Care
- ♦ Basic Steps in Catheter Care
- ♦ Catheter Exit Site Care
- ♦ Separate Clean Areas from Contaminated Areas
- ♦ Dedicate Supplies to a Single Patient
- ♦ Safe Use of Medication Vials
- ♦ Guidelines for Carrying Medications
- ♦ Cleaning and Disinfecting the Dialysis Station
- ♦ Disinfecting the Dialysis Station
- ♦ Safe Handling of Dialyzers and Blood Tubing
- ♦ Lesson 4: Policies and Practices
- ♦ Infection Control Policies and Practices for Dialysis Facilities
- ♦ Vaccine-Preventable Infections
- ♦ Take Care of Yourself Get Vaccinated
- ♦ Vaccination and Routine Testing of Hemodialysis Patients

- ♦ Preventing the Spread of Hepatitis B
- ♦ Preventing the Spread of Bacterial Infections
- \diamond Lesson 5: Education
- \diamond How to Recognize an Infection
- ♦ Training and Education of Patients and their Caregivers
- ♦ Recap
- ♦ Key Infection Prevention Practices
- \diamond Conclusion