

# Immunology and Histocompatibility Part 1

## Chapter 1

### Basics of the Immune System (15 minutes)

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- Immunologic Events
- Role of the Immune System
- Innate and Adaptive Immunity

## Chapter 2

### Definitions and Nomenclature (20 minutes)

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- Lymphocytes
- Antigen Presenting Cells
- MHC System
- ABO Antigens
- HLA Typing
- Classes

## Chapter 3

### HLA Antibodies (15 minutes)

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- How they Develop
- How/Frequent we Test
- PRA
- MFI
- CPRA

## Chapter 4

### Crossmatching (15 minutes)

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- Strategies for Crossmatches
- CDC
- Flow Cytometry
- Matches and Mismatches

## Assessment

20 minutes

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- Chapter 1 Questions
- Chapter 2 Questions
- Chapter 3 Questions
- Chapter 4 Questions