

Curriculum Content Report – Immunizations

**Search Terms: Immunization, vaccine, IS 5a, IS B4c, SK B8a, PC B1a2, PC B1b7, PC B2s, SS B4a,
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Year 1	
Course	Content
Cellular and Molecular Medicine	<ul style="list-style-type: none"> •Recombinant DNA technology in vaccine production •Antibodies as a plasma protein
Doctoring I	<ul style="list-style-type: none"> •Childhood immunizations
Physiology	<ul style="list-style-type: none"> •Antigens and antibodies •Regulation of immune responses •Passive immunization for evenenotation •Immunization for encapsulated microbes (like S. pneumo)
Year 2	
Immunology/Micro	<ul style="list-style-type: none"> •Antigens and antibodies •Regulation of immune responses •Vaccines •Passive immunization •Herd immunity •Immunization workshop •Factors influencing vaccine refusal •Use and contra-indications for vaccines/passive immune therapies against commonly encountered pathogens, e.g HPV, MMR, rotavirus, polio, influenza, Hepatitis A & B, rabies, yellow fever, smallpox, RSV.
Year 3	
Community Medicine Clerkship	<ul style="list-style-type: none"> •Develop evidence-based health promotion/disease prevention plans for patients of any age or gender. •CDC Vaccine Schedule app introduced during health fair didactics •Immunization status as part of expected health fair history •Required patient types: <ul style="list-style-type: none"> -Preventive exam in adult -Preventive exam in child
Family Medicine Clerkship	<ul style="list-style-type: none"> •Develop evidence-based health promotion/disease prevention plans for patients of any age or gender, including those with multiple health issues. •Aquifer cases for family medicine– Immunization learning objectives addressed in five cases •Required procedure: <ul style="list-style-type: none"> -Perform intramuscular injection

Internal Medicine Clerkship	<ul style="list-style-type: none"> •Immunization status expected as part of complete history and physical
Ob/Gyn Clerkship	<ul style="list-style-type: none"> •Apply recommended prevention strategies to women throughout the life-span. •Immunizations as part of women’s preventive care •Rh isoimmunization
Pediatric Clerkship	<ul style="list-style-type: none"> •Prevention – List and describe the key components of anticipatory guidance in children of all ages along with immunizations and injury prevention and the developmental rationale behind each. •Vaccine adverse effects •Aquifer cases for pediatrics – Immunization learning objectives addressed in six cases