



Clinical Question Bank 1-25

Clinical Question Bank includes 109 Studies with 307 original images & 13 videos to illustrate historical and contemporary clinical microbiology for students to investigate.

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Clinical 6-10

Clinical 11-15

Clinical 16-20

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Clinical 1 Biosafety

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Clinical 2 Selective & Differential Media

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Clinical 3 Hemolysis

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Clinical 4 Staphylococcus

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Clinical 5 Beta-Hemolytic Streptococci

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Clinical 6 Streptococcus pneumoniae

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Clinical 7 Group D Enterococci/Streptococci

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Clinical 8 Skin & Nose Swabs

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Clinical 9 Throat Swab

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Clinical 10 Vagina Flora

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Clinical 11 Antiseptics & Disinfectants

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Clinical Question Bank 25.5

Studies (images/*videos)

Best Practice for BSL1 & BSL2 (4****)

Mannitol Salt, Selective & Differential Medium (1)

Staphylococci & Enterics on MS, MC & EMB (3)

Enterics on MacConkey Agar (3)

Enterics on *Salmonella/Shigella* Agar (3)

Streptococcus mitis Hemolysis

Colony Morphology & Hemolysis from Throat Swabs (1)

Colony Morphology & Hemolysis of Pathogens (4)

CAMP Reaction of Unknowns (1)

Staphylococci on Mannitol Salt (1)

API Staph Biochemistry (1)

MRSA (methicillin-resistant *staphylococcus aureus*) (1)

Streptococcus Bacitracin, SXT, CAMP Reactions (2)

CAMP Reaction (1)

Dr. Ignaz Semmelweis & Puerperal Fever (2)

Streptococcus Serology (1)

Identify API Strep 20 Unknowns (3)

Mastitis & Beta-Hemolytic Streptococci (2)

Streptococcus pneumoniae on Blood Agar (1)

Gram Stain of *S. pneumoniae* & *S. mitis* (2)

Antimicrobial Agents for Clinical Pneumonia (1)

Japanese Face Masks (1)

API Strep 20 for Group D Streptococci (4)

Clinical Unknowns: Skin & Nose Swabs (4)

API Staph of Clinical Unknown (3)

Staphylococcus aureus Antibiograms (2)

Throat Swab Streak Plates (2)

Clinical Unknown Throat Swab (2)

Clinical Unknown API Strep 20 (4)

Streptococcus Latex Agglutination (1)

Cells of the Vagina (6)

Pharmaceuticals: Canesten, Monistat, Azo (3)

Joseph Lister [1827-1912] Antiseptic in Surgery (1)

Lister Centenary (2)

Listerine Antiseptic Mouthwash (2)

Dettol: Antiseptic & Disinfectant (1)

Applications of Antiseptics (8)

Antiseptics & Disinfectants (10)

Triclosan in Soaps, Toothpaste & Antiseptic Creams (5)

Savlon: WHO Essential Medicine (4)

Hand Sanitizer on a Cruise Ship (6)

Manuka Honey & Tea Tree Oil (2)

Chemical Structure of Antiseptics & Disinfectants (6)

Why Does the US Chlorinate Raw Chicken? (2)

MIC Assay: *Streptococcus pyogenes* & Penicillin (1)

WW1 & WW2 Treatment of War Wounds (2*)

Chemical Structure of Antimicrobial Agents (6)

Susceptibility of *Staphylococcus aureus* Isolates (3)

Susceptibility of *E. coli* Isolates (2)

Applications of Peptide Antibiotics (4)

Charles Darwin: Natural Selection of Antimicrobial Agents (1)

Cabo San Lucas, Mexico: OTC Antibiotics (5*)

Chicken: Raised Without Antibiotics (3)

Superbugs: CRE, ESBL, MDR, RAB, MRSA, VRE, VRSA, ... (1)

Komodo Dragon Blood Peptides (2)

Dermatophyte Clinical Unknowns (4)

Antimicrobial Agents for Dermatophytes (3)

Cells/Cell Structures of *Candida*, *Cryptococcus*, *Pneumocystis* (4)

Respiratory Yeast Infections, Plaça de Catalunya, Barcelona (2*)

Antibiotic Resistance of *Candida auris* (2)

Clinical Unknown 16A (2)

Aspergillus & Aspergillosis (3)

Sporothrix schenckii & Subcutaneous Mycoses (1)

Cartagena, Colombia, South America & Mold Growth (6)

Crohn's Disease, Humira & Mycoses (1)

Parasitology Gifts of Doll & Embroidered Sweater (1)

Entamoeba histolytica: Longitudinal or Transverse Cell Division? (1)

Identify Intestinal/Urogenital Protozoa (6)

Case Study: Intestinal Protozoan, Intestinal Pain & Diarrhea (2)

Dr. Carlos Chagas, Trypanosomiasis, & the Poor (2)

The World United Against Malaria (3)

Stages of the Malaria Parasite, 18A-18E (3)

Ronald Ross [1857-1932] "Cunning Seeds" (1)

Amoebic Trophozoites in Brain Autopsy (1)

Ephesus Cats & Toxoplasmosis (7)

Unknown 19A: Human Tapeworm (2)

Humans, Sheep & Sheepdog (3)**

Male & Female *Ascaris* (3)

Male & Female *Ascaris* Transverse Sections (2)

Eradication of Infectious Nematode, South Sudan (2019/2020) (2*)

Rod of Asclepius & Guinea Worm Disease (2)

Medical Symbol, Livorno & Florence, Italy (3)

Medical Symbol, St John's, US Virgin Islands (2)

Basilica di Santa Maria Della Salute & 1630-1631 Black Death (3)

Mask for the Plague Doctor, Venice, Italy (4)

Great Fire of London, 1666 (5)

Scenes from a Pandemic, 1665-1666 & 2020 (12)

English Harbour, Antigua & the "Withering Effects of the Tropics" (5*)

Panama Canal: Tropical Infectious Disease & Arthropod Vectors (6**)

Arthropod Unknowns 21A-21C (3)

Anopheles Mosquito & *Ixodes* Tick Mouthparts (2)

Unknown Arthropods (4)

Characteristics of Head Lice (3)

Nix Ultra Kills Head Lice (3)

Seresto Product Recall (2)

Insect Killer & Insect Repellent (1)

Elie Metchnikoff [1845-1916] Nobel Studies of Immunity

Identify these Leukocytes (3)

Gram Stain of Leukocytes & Pus Cells (1)

Infections Named after Leukocytes (2)

Blood Types: Universal Donor/Recipient & Erythroblastosis Fetalis (1)

Demise of the Canadian Red Cross (1)

Determine these Blood Types (3)

Latex Agglutination (3)

Negative Indirect ELISA (4)

Positive Direct ELISA (4)

Lateral Flow Assays: Pregnancy Test & Ovulation Detector (2)

BinaxNOW Lateral Flow Assay for COVID-19 (3)

Analysis of Lateral Flow Assay for COVID-19 (1)