DEPARTMENT OF MICROBIOLOGY

FRAMED CHARTS

HISTORIANS:

1. Susruta
2. Skin transplantation
3. Florence Nightingale
4. Louis Pasteur
5. Charaka
6. Gerhardt Domagk
7. Ambroise Pare
8. Joseph Lister- antisepsis
9. Edward Jenner (Chart 1)
10. Edward Jenner (Chart 2)
11. Hippocrates
12. Hippocrates-Curing Plague
13. Napolean & Plague struck soldiers
14. Jules Bordet
15. C.L.A Laveran
16. Emil A von Behring
17. Augostino Bassi

GENERAL:

18. Dark Ground Microscopy
19. Path of Electron Microscopy
20. Microbial Census
21. Gaspak System
22. Eukaryotic cell
23. A gallery of Microscope
24. Flagellar arrangement

25. Gram Positive & Gram Negative bacilli
26. Structure of DNA
27. Swan Neck flasks designed by Pasteur
28. Oxygen Requirement for Bacterial Growth
29. Bacteriophage
30. Mechanism of Antimicrobial action

INVADERS:

31. Bordetella spp
32. Pseudomonas spp
33. Enterococcus spp
34. Leptospira spp
35. Mycobacteria spp
36. Borrelia spp
37. Brucella spp
38. Helicobacter spp (Chart 1)
39. Helicobacter spp (Chart 2)
40. Campylobacter spp
41. Clostridia spp
42. Bacillus spp
43. Neisseria spp
44 Str.pneumoniae
45 Streptococcus spp
46 Chlamydia spp
47 Staphylococcus spp
48 Corynebacteria spp
49 V.Cholerae spp
50. T.trichiura
51. B.malayi
52. E.vermicularis

53. A.duodenale

54. A.lumbricoides

55. Toxocara canis

56. Giardia trophozoite

57. Body fluids and tissue flagellates

58. Life cycle of malarial parasite

59. Oocyst of Cryptosporidium in faecal smear

60. Schistosoma spp

61. Ova of common helminths (sketch)

62. Ova of common helminthes (Microphotograph)

63. Trichomonas spp

64.C.parvum

65.Isospora belli

66.T.gondii (Morphology)

67.T.gondii (Pathology & Clinical features)

68.Morphology of E.coli & E.histolytica on stained and unstained preparations

69.Rota virus (Electron Microscopy and Negri bodies –EM)

DISEASES:

70.Malaria

71. Characteristic manifestations of syphilis

72. Effects of cholera toxin

73. Trypanosomiasis

74. Sites of infection of medically important parasites

75. Leprosy

76. Herpes Lesions

77. Papilloma virus genital warts

78. Lepto spirosis (Marked ecchymoses and scleral hemorrhage

DIAGNOSIS:

79. WHO Perspex Tray showing haemagglutination inhibition test
80. CAM showing characteristic poxvirus lesions
81. MP Thick film (Chart 1)
82. MP Thick film (Chart 2)
83. Requirements for collection of CSF
84. Bacterial growth in blood culture bottle
85. Blood agar plate and Chocolate agar plate
86. Cultivation of viruses
87. Direct Immunofluorescence for diagnosis of CMV infections.

REXINE CHARTS

GENERAL:

1. Compound Microscope
2. Prokaryotic Cell & Eukaryotic Cell
3. Bacteria
4. Viruses
5. Chromatography

INVADERS:

6. Pathogenic protozoa
7. E.histolytica
8. Life cycle of Mosquito
9. Life cycle of Plasmodium
10. T.gambiense
11. E.granulosus
12. T.solium
13. A.duodenale
14. Ascaris lumbricoides
15. Rhizopus

16. Penicillium
17. Aspergillus
18. Helminthosporium

DISEASES:

19. Diphtheria
20. Leprosy
21. Typhoid
22. AIDS
23. Filariasis
24. Diarrhoea

DEFENDERS:

25. Human Blood groups
26. Human Immune system

DIAGNOSIS:

27. Electrophoresis
28. Monoclonal Antibodies

MODELS

INVADERS:

1. Eukaryotic Cell
2. Bacterial Cell
3. Morphology of Bacteria I
4. Morphology of Bacteria II
5. Icosahedral symmetry
6. RabiesVirus
7. Influenza Virus
8. Adeno Virus
9. Pox Virus
10. Tobacco Mosaic Virus

11. Bacteriophage

12. HIV

13. Paramyxo Virus

TRANSMITTERS:

Insect Vectors

14. Cockroach

Animal and Birds

15. Cattle

16. Dog

17. Parrot

18. Duck

DEFENDERS:

19. Cells of the immune system

Diagnosis:

20. Embryonated egg

21. DNA

WALL MODELS

1. Life cycle of malarial parasite

2. Life cycle of W.bancrofti

3. Life cycle of E.gramulosus

4. Life cycle of L.donovani

5. Life cycle of Giardia

6. Life cycle of E.histolytica

PRESERVED SPECIMENS

INVADERS

Parasites:-

1. Tape Worm
2. Hook Worm
3. Hydatid Cyst
4. Ascaris lumbricoides
5. Toxocara canis
6. F.hepatica
7. E.vermicularis
8. Cytophagia

Fungi:

9. Aspergillus niger
10. Aspergillus fumigatus
11. Aspergillus flavus
12. Aspergillus terreus
13. Rhizopus
14. Nucor
15. Fusarium
16. Penicillium
17. Candida albicans
18. Candida tropicalis
19. Cryptococcus neoformans
20. Trichophyton rubrum
21. Trichophyton mentagrophytes
22. Microsporum canis
23. Epidermophyton floccosum

TRANSMITTERS

24. Snails

DEFENDERS

25. Spleen
26. Bone Marrow

SPECIMENS

DIAGNOSIS:

Collection Set:

1. Sterile needle and syringe
2. Universal container
3. Vacutainer
4. Urine culture bottle
5. Blood culture bottle (Adult and Paediatric)
6. Sterile Swab
7. Sterile swab with Amies Transport Medium
8. Nasopharyngeal aspiration set
9. Serum storage vials

Glasswares, instruments and minor equipments

10. Bacteriological loop
11. Petri plate
12. Microslides
13. Cavity slides
14. VDRL Slides
15. Anaerobic Jar
16. Membrane filters
17. McFarland's turbidity tube
18. ELISA plate and strip holder
19. Tips for micropipettes
20. Slides for Rapid test
21. Tuberculin syringe

Dehydrated culture Media:

22. Brain Heart Infusion agar
23. Blood agar base
24. Mac Conkey agar
25. Muller Hinton agar
26. Saboraud's Dextrose agar

Diagnostic test kits:

27. Widal
28. Rheumatoid factor
29. Anti Streptolysin O test
30. C-Reactive Protein test
31. Rapid Plasma Reagin test

PROPHYLAXIS

32. Candle filter

Vaccines

33. DPT
34. Measles
35. HBV
36. OPV
37. Varicella
38. MMR
39. Hib
40. Typhoid Capsular Polysaccharide vaccine
41. BCG

Disinfectants

42. Bacillocid
43. Formaldehyde
44. Cidex
45. Dettol

46. Spirit
47. Cetrimide
48.Sterilium
49. Savlon
50. Cutasept F
51. Steilisept
52. Torcilocid

TREATMENT

Antimicrobials:

53. Norfloxacin
54. Cefuroxime
55. Ciprofloxacin
56. Ampicillin
57. Ofloxacin
58. Ceftazidime
59. Cephalothin
60. Cotrimoxazole
61. Imipenem
62. Gentamicin
63. Clindamycin
64. Ceftraxone
65. Ceftriaxone & Sulbactam (Keftragard)

TEACHING SLIDES

INVADERS

A.Bacterial:

1. Staphylococci
2. Streptococci
3. Gram Positive bacilli
4. Gram Negative bacilli
5. M.tuberculosis
6. M.leprae
7. Vibrio cholorea in stool specimen
8. Campylobacter
9. Acinetobacter
10. Direct smear pus
11. Direct smear sputum

B.Parasitic

12. Tapeworm Eggs
13. Microfilaria
14. Cryptosporidium parvum
15. Tapeworm Proglottids)
16. F.hepatica
17. E.granulosus (Adult)
18. Schistosomes-Adult (Male & Female)
19. Cercaria
20. Eggs of T.trichiura
21. Eggs of E.vermicularis
22. Hooklets-hydatid cyst
23. A.duodenale -Male
24. Strongyloides-Adult
25. Eggs of A.lumbricoides
26. Eggs of hookworm

27. Eggs of H.nana

C.Fungal:

28. Trichophyton mentagrophytes
29. Mucor
30. Microsporum canis
31. Penicillium
32. Dermatophytes in stratum corneum
33. Rhizopus
34. Cryptococci
35. A.flavus
36. Microsporum nanum
37. Fusarium
38. C.albicans
39. Mucor mycosis (Nose)
40. A.fumigatus
41. A.terreus
42. A.niger

TRANSMITTERS

43. Dust mite
44. Flea
45. Mosquito-Anopheles
46. Louse
47. Musca domestica
48. Mosquito-culex

P.G.Slides

49. Aspergillosis (No: 914/10)
50. Mucormycosis (No: 662/10)
51. Malarial parasites
52. Enterobius in intestinal lumen (No: 840/10)

53. TB lymph node (No: 1499/10)
54. Madura mycosis (No: 4696/09)
55. Rhinosporidiosis (No: 3111/09)
56. Actinomycosis (No 2254/09)
57. Hydatid Cyst (No: 2254/09)
58. Mucormycosis-Nose-M12
59. Dermatophytes in stratum corneum-M5
60. Cysticercus 1064/85
61. Nattrassia (Slide culture)
62. Cladophialophora bantiana (Slide culture)
63. Wangiella dermatitidis (Slide culture)
64. Histoplasma capsulatum
65. GPC in pairs
66. Giemsa stain – Plasmodium.vivax
67. Microsporidium
68. Negative staining (Strep.pneumoniae)
69. Sputum smear-GNC pairs
70. Sputum smear-GPC pairs
71. Sputum smear-GPC chains
72. Yeast cells
73. Yeast cells
74. Yeast cells