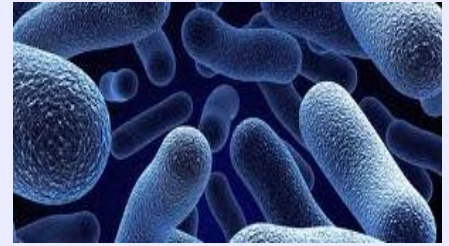




MICRO BULLETIN



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DEPARTMENT OF MICROBIOLOGY

NEWSLETTER



Dr. D. Venkatesha

JNANA VIGNANA MELA

FEBRUARY 2017

“Tuberculosis and Brucellosis”



Department of Microbiology actively participated in Jnana Vignana Tantragnana mela held on February 21st and 22nd 2017 at Adichunchangiri Mutt, imparting simple and effective information in prevention and control of tuberculosis and brucellosis.



Brucellosis and tuberculosis are public important diseases. They can cause severe illness and even death. **Brucellosis** is a bacterial zoonotic disease caused by *Brucella* species and is spread by ingestion of raw milk or close contact with infected animals and their secretions. **Tuberculosis (TB)** is caused by the *Mycobacterium tuberculosis* (MTB) and is spread by inhalation of droplet nuclei from infected patients. Prevention of TB involves early detection, treatment of cases and BCG vaccination in children. Proper diagnosis and treatment reduces mortality and morbidity. There is an increase in the incidence of multidrug resistant tuberculosis (MDR-TB). Proper preventive measures will prevent spread of disease in the community. The models create awareness regarding these infections.

Volunteers for the programme

Ruchitha Vinayak, Jeevitha M.N, Sushma.S, Avni J, Varalakshmi.M, Yashwanth T.R, Miswana Muhammad.M, Shimla Shareef. U, Yathesh K.P, Naveen B.V, Priyanaka C.G, Nagarathna.N.K, Rumi.N, Shankar. R, Deepiga.

GUEST LECTURE “SEROLOGY – DIAGNOSTIC APPROACH”



Guest lecture on “Serology-Diagnostic approach” was organized on 11-03-2017 from 10.30 am to 12.30 pm. Dr.Sreedhara H.G, Associate Professor of Microbiology, Hassan Institute of Medical Sciences, Hassan was the guest speaker.

The speaker explained definition of serology, various serological reactions commonly used for diagnosis of bacterial, viral and fungal infections. He gave brief introduction about collection of specimen, separation of serum, storage and transportation of serum. He spoke in detail on routine serological tests for diagnosis of Typhoid fever (Widal test), Brucellosis (SAT), Rickettsial fevers (Weil- Felix reaction), Syphilis (treponemal and non treponemal test-VDRL), Hepatitis B, Hepatitis C, HIV and Dengue (ELISA Tests) , explained the interpretation of the results. He stressed on quality control (external and internal) and also emphasized on NABL.



STAFF WITH GUEST SPEAKER – DEPARTMENT OF MICROBIOLOGY

PAPERS PUBLISHED

1. Comparative evaluation of phenotypic method and HICROME ESBL agar in detecting ESBL producing *Enterobacteriaceae*. Megha S, Vijaya D, Venkatesha D. J. Microbiol Rel Res 2017;3(1):9-13.
2. Clinico-bacteriological study of pyoderma with special reference to methicillin resistant *Staphylococcus aureus*. Shilpashree U.G, Dhanalakshmi.T.A, Venkatesha D. Ind J Microbiol Res 2017;4(1):20-25.
3. Detection of co-existence of β -lactamases in Gram negative bacteria using disc potentiation tests. Vijaya S, Achut rao. Ind J Microbiol Res 2017;4(1):64-67.

ONGOING ICMR STS PROJECTS

1. Inducible clindamycin resistance among clinical isolates of Staphylococci in a rural tertiary care hospital. Ms Tanmaya S, Dr. Dhanalakshmi T.A
2. Asymptomatic bacteriuria in pregnant women. Ms. Chandana, Dr.Vidyasagar K.
3. Identification of the microbial profile of leucorrhoea in reproductive age group in a rural setup. Ms Keerthi, Dr. Shwetha. D.C

WORKSHOPS ATTENDED BY STAFF

1. Dr. Dhanalakshmi.T.A and Dr. Vijaya S participated in the research methodology workshop conducted by RGUHS on 21st March 2017.
2. Dr. Janakiram. K, Dr. Dhanalakshmi T.A, Dr.Vidyasagar K and Dr.Shwetha D.C. attended “Revised basic workshop in medical education technologies” organized by St John’s Medical college and Medical education unit, AIMS. B.G.Nagara from 8th May to 10th May 2017.

CME AND CONFERENCES ATTENDED BY STAFF

1. State level CME “Update on cardiology” conducted by department of cardiology. AIMS. B.G.Nagara on 24/1/2017- Dr. Venkatesha D.
2. State level CME “Trauma management” conducted by department of general Surgery. AIMS.B.G. Nagara on 27/1/2017- Dr. Venkatesha D.
3. “Basic life support”(BLS) training and “ACLS” training workshop on 8/2/2017 conducted by AH&RC- All Staffs
4. MICROCON KC- 2017 XXI- annual conference IAMM-KC conducted by department of microbiology VIMS, Bellary on 17/2/2017 and 18/2/2017- Dr. Venkatesha D, Dr. Janakiram K
5. Seminar on “Awareness of social responsibilities” conducted by AIMS, B.G.Nagara in association with Mandya district police on 31/3/2017- Dr. Venkatesha D, Dr. Dhanalakshmi.T.A.
6. Guest lecture as a part of world TB day conducted by department of medicine and respiratory medicine on 3/4/2017- Dr. Venkatesha D
7. World health day 2017, theme- depression- let’s talk conducted by department of Psychiatry and Medicine on 7/4/2017- Dr. Venkatesha D
8. Lecture on HDL cholesterol- An Update conducted by department of Biochemistry on 11/4/2017- Dr. Venkatesha D
9. Guest lecture on noncommunicable diseases- role of medical students in prevention and control of non communicable diseases organized by department of Community medicine on 17/5/2017- Dr. Venkatesha D and Dr. Dhanalakshmi T.A.
10. Technique in Molecular biology and Gene Therapy conducted by department of Biochemistry on 25/5/2017- Dr. Venkatesha D, Dr. Dhanalakshmi T.A.
11. Tobacco free AIMS conducted by department of Psychiatry on 30/5/2017- Dr. Venkatesha D.
12. CME and 1st chapter meet of IAMM-KC organized by department of Microbiology MMC and RI, Mysore on 3/6/2017- Dr. Dhanalakshmi T.A and Dr. Vijaya S.

LECTURES DELIVERED

01. Dr. Vijaya .S. Asst.Professor of Microbiology, delivered lecture on “Hospital acquired infection control”- for interns, organized by Medical education unit AIMS. B.G.Nagara on 22/3/2017.

RESEARCH LABORATORY



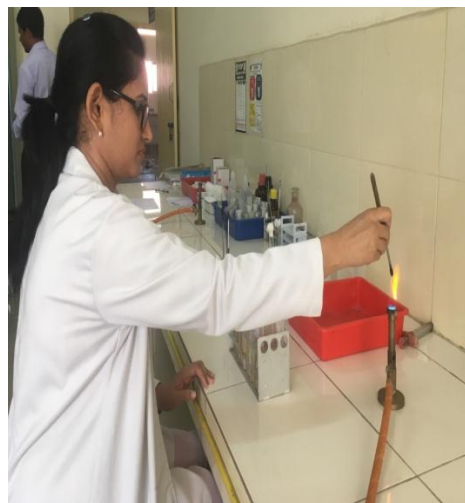
**Trinocular Microscope with
Phase contrast, Dark ground , Fluorescent**



ELISA Reader with printer



Biosafety cabinet



Staff at work