



Immunofluorescence has turned into an important tool for diagnosis of autoimmune diseases worldwide.

Microbiology laboratory plays a very important role in predicting or detecting autoimmune diseases, by immunological studies, the reactions between antigens (Ags) and antibodies (Abs).

Indirect immunofluorescence, far from being an outdated technique, provides fast, sensitive and inexpensive results. In addition, it identifies many antibodies in a single test.

Finally, the visual check by microscope is left to the experience of the Microbiologists who reads the reaction.

This workshop will have demonstration of indirect immunofluorescence techniques and immunoblot techniques (LIA) for the detection of autoantibodies.

The entire session has been designed in such a manner that the participants will be confident of processing samples and reporting autoimmune diseases.

The target participants for the workshop will be mainly the clinical microbiologists who have completed or pursuing MD Microbiology. This workshop will facilitate them to train others and implement, establish or augment clinical reporting in their own institutes.

The number of participants selected for the workshop will be limited to 50.

SCIENTIFIC PROGRAMME

| | | | |
|-----------------|---|---|--------------------|
| Date | : | 24 th November 2022 (Thursday) | |
| Venue | : | 3 rd Floor, Conference Hall, New ONCO Building, Apollo Hospitals, Bhubaneswar | |
| 8.00am – 9.00am | | Registration | |
| 9.00am – 9.10am | | Inauguration and welcoming of participants | (Dr Suneeta Sahu) |
| 9.10am – 9.30am | : | Pre-test evaluation | (Dr Rani Sahu) |
| 9.10 am- 5.10pm | | Workshop: Immunofluorescent techniques in the diagnosis of autoimmune diseases | |



Indian Association of Medical Microbiologists
45th National Conference
Preconference workshop 24th November 2022
Significance of immunological techniques in autoimmune conditions
Apollo Hospitals, Bhubaneswar



| TIME | TOPICS | RESOURCE PERSON | |
|-------------------|---|---|-------------------------|
| 9.30am -10.00am | <i>Autoimmune diseases: Current status in India</i> | Dr Ramnath Mishra : Professor and HOD, Dept of Clinical Immunology and Rheumatology, KIMS, Bhubaneswar | |
| 10.00am-10.15am | <i>Classifications of autoantibodies</i> | Dr Suneeta Sahu : Sr Consultant, Clinical Microbiology and Molecular biology, Apollo Hospitals, Bhubaneswar, | |
| 10.15am-10.30am | <i>Immunofluorescence based diagnosis</i> | Dr Ujjawini Ray Sr Consultant, Clinical Microbiology and Molecular biology, Apollo Hospitals, Kolkata | |
| 10.30am-10.50am | <i>Challenges in diagnosis of autoimmune diseases: lab perspectives</i> | Dr Aruna Poojary , Consultant Microbiologist and Head, Dept of Pathology & Microbiology, Breach Candy Hospital Trust, Mumbai | |
| 10.50 am –11.05am | <i>Group photo and high tea</i> | | |
| 11.05am-11.15am | <i>Allocation of workshop stations</i> | Dr Rani Sahu Associate Consultant, Clinical Microbiology and Molecular biology, Apollo Hospitals, Bhubaneswar, | |
| | Hands on training | Resource persons | Reporting |
| 11.15am -11.45am | <i>Staining of ANA slides</i> | Ms Nandita, AHB Mr Sudershan, AHB | Dr Aruna Poojary |
| 11.45am -12.15pm | <i>Staining of dsDNA slides</i> | Mr Bishnu, AHB Mr Satyajeet, CPC | Dr Rani Sahu |
| 12.15pm -12.45pm | <i>Staining of ANCA slides</i> | Ms Sushmita, AHB Mr Abhay Kumar, CPC | Dr Suneeta Sahu |
| 12.45pm -1.45pm | <i>L U N C H</i> | | |
| 1.45pm -2.15pm | <i>Staining of ANA and Liver profile (Line Blot)</i> | Ms Sasmita, AHB Mr Thirumallai, CPC | Dr Ujjawini Ray |
| 2.15pm -2.45pm | <i>Staining of aquaporin slides</i> | Ms Nandita, AHB Mr Satyajeet, CPC | Dr Suneeta Sahu |
| 2.45pm -3.15pm | <i>Autoantibodies in autoimmune encephalitic disorders</i> | Dr Bikash Mishra, Sr Consultant, Dept of Neurology, Apollo Hospitals Bhubaneswar, Odisha | |
| 3.15pm -3.35pm | <i>Autoantibodies in SLE and other CTD</i> | Dr P Padhan , Professor, Dept of Rheumatology , KIMS Bhubaneswar, Odisha | |
| 3.35pm – 3.55pm | <i>Autoantibodies in vasculitis</i> | Dr Jyoti Ranjan Parida, Director, Odisha arthritis and Rheumatology centre, Bhubaneswar, Odisha | |
| 3.55pm -4.10pm | <i>C h a i p e c h a r c h a</i> | | |
| 4.10pm- 4.40pm | <i>Q & A with interesting cases</i> | Dr Aruna Poojary (Moderator) All faculties & participants | |
| 4.40pm – 5.10pm | <i>Post test evaluation</i> | Dr Rani Sahu | |
| 5.10pm- 5.15pm | <i>Closing and Vote of Thanks</i> | | |