

Scientific Programme
69th National Conference on Tuberculosis & Chest Diseases (NATCON 2014)
DAY 1:- 6.2.2015 - 9.00 AM to 5.30 PM

THEME OF THE CONFERENCE: NEW FRONTIERS IN TUBERCULOSIS AND CHEST DISEASES

<i>TIME</i>	<i>HALL A</i>	<i>HALL B</i>	Meetings
<i>8.00 A.M. – 9.00 A.M.</i>	REGISTRATION		
<i>9.00 A.M. –10.00 A.M.</i>	<p><i>Session on “Selected oral presentations for awards”</i></p> <p><i>Chairpersons:</i></p> <p style="padding-left: 40px;"><i>Dr. P. Kumar</i> <i>Dr. K.S. Sachdeva</i> <i>Dr. Prahlad Prabhudesai*</i></p> <p>Tuberculosis and Disability - adjusted life years (DALYs) in Mumbai</p>		

	<p>Mangesh Jagdhane</p> <p>Cost analysis of diagnostic algorithms for pulmonary tuberculosis using Gene Xpert in different combinations with sputum microscopy and x-ray</p> <p>V.K. Chadha</p> <p>SENSITIVITY AND SPECIFICITY OF BERLIN QUESTIONNAIRE IN DETECTION OF OBSTRUCTIVE SLEEP APNEA</p> <p>Kamaljeet Singh</p> <p>Profile of providers approached by TB patients from first onset of TB symptoms till first initiation of ATT, Mumbai and Patna</p> <p>Akshaya Patil</p> <p>Public-Private Partnerships for Tuberculosis Control in India: What Lessons can be drawn for</p>		
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	<p>Strengthening Health Systems towards Universal Health Coverage?</p> <p>Solomon Salve</p> <p>Treatment interruptions during intensive phase among new smear positive TB patients taking treatment under DOTS in Bengaluru city during 2010-11 and its association with outcome: retrospective record-based analysis</p> <p>S.K. Tripathy</p>		
10.00 AM – 10.45 A.M.	<p><i>TAI Oration</i></p> <p><i>Drug resistance among TB cases and its clinical implications</i></p> <p><i>Dr. K.K. Chopra</i></p> <p><i>Chairpersons:</i></p> <p><i>Dr. L.S. Chauhan</i> <i>Dr. V.K. Arora</i> <i>Dr. Niraj Kulshrestha</i> <i>Dr. Rohit Sarin</i></p>		
10.45 AM- 11.45 A.M.	<p>Panel discussion on “Laboratory</p>		

	<p>Management under RNTCP”</p> <p><i>Moderator: Dr. Prahlad Kumar</i></p> <p><i>Members</i></p> <ol style="list-style-type: none"> 1. Dr K.S. Sachdeva 2. Dr Ranjani Ramchandran 3. Dr Gomati 4. Dr Dayal 5. Dr Pranab Patel 		
<p><i>11.45 A.M. – 12.30P.M.</i></p>	<p>Lupin TAI Oration</p> <p>Dr. Arun Bamne*</p> <p>Mumbai's response to Drug resistant TB episode and Urban TB control Model</p> <p>Chairpersons: Dr. K.C. Mohanty* Dr. Yatin Dholakia*</p>		

<p><i>12.30 P.M. – 1.30 P.M.</i></p>	<p>Panel discussion on “Paediatric Tuberculosis”</p> <p>Moderator: Dr. V.K. Arora</p> <p>Members</p> <p>Dr. Soumya</p> <p>Dr. Sangeeta Sharma</p> <p>Dr. Mamtha Lala</p> <p>Dr. K.K. Chopra</p>		
	<p><i>Lunch 1.30 PM – 2.00 PM</i></p>	<p><i>Meet the Expert</i></p>	
<p><i>2.00 PM - 2.30 PM</i></p>	<p><i>O.A Sarma Guest Lecture</i></p> <p><i>Dr. M.M. Puri</i></p> <p><i>Chairpersons: Dr. Rohit Sarin</i> <i>Dr. S.K. Katiyar</i> <i>Dr. Yatin Dholakia*</i></p>	<p><i>2.00 PM – 2.45 PM</i></p> <p><i>Session on “Epidemiological aspects of Tuberculosis”</i></p> <p><i>Chairpersons: Dr. Niraj Kulshrestha</i> <i>Dr. U. Khalid</i> <i>Dr.V.K. Chadha</i></p> <p>Study on prevalence and clinical profile of diabetes and pre-diabetes among 1000 TB patients diagnosed at our Institute</p> <p>Anita A. Saibannavar</p>	

		<p>Profile of Osteoarticular Tuberculosis in children</p> <p>Ira Shah</p> <p>Socio-demographic profile of DR-TB</p> <p>K. Anupama Murthy</p> <p>Operation Asha using eDetection technology Application for improved results in active case findings and contact tracing</p> <p>Shelly Batra</p> <p>Retrospective study of pattern of Age and sex distribution in New smear positive cases in Tuberculosis Unit , GGH ,Vijayawada</p> <p>N. Kumar Varma</p> <p>Legitimacy of non-tuberculous mycobacterium in a TB endemic region: a hospital-based study</p> <p>Ajoy Verma</p>	
2.30 PM - 3.30 PM	<p>Central TB Division</p> <p>Symposium on “Contribution of RNTCP to TB Control”</p> <p>Chairpersons</p>	<p>2.45 PM – 3.30 PM</p> <p>Session on “Advances in diagnostics of TB”</p> <p>Chairpersons: Dr. M.Hanif Dr. Camilla Rodrigues*</p>	

	<p><i>Dr. L.S. Chauhan</i> <i>Dr. Soumya</i> <i>Dr. K.K. Chopra</i></p> <p>Topics</p> <p>1. TB Control in India – Perspectives and pathways towards elimination</p> <p>2. The Challenge of Missing Millions</p> <p>3. Towards Universal DST and DST guided treatment</p>	<p>Lecture.....</p> <p>Concept report on presentation of laboratory diagnosis of tuberculosis</p> <p>Shaheen</p> <p>Research Papers.....</p> <p>Overdiagnosis of Tuberculosis and Role of Tuberculin Test</p> <p>Ira Shah</p> <p>RAPID SPS IDENTIFICATION OF NON TUBERCULOUS MYCOBACTERIA BY MOLECULAR GENETIC ASSAY FROM CULTURE</p> <p>Chitra C. Iravatham</p> <p>Haematological profile of smear positive new Pulmonary Tuberculosis</p> <p>Anupama Murthy</p> <p>Role of the chest x-ray in the diagnosis of intra-thoracic childhood tuberculosis</p> <p>Syed Hissar</p>	
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<p>3.30 P.M. – 4.15 P.M.</p>	<p><i>Discussion on “Controversies in RNTCP”</i></p> <p>(a) Whether DOTS should be given. (b) Treatment should be daily or intermittent.</p> <p>Chairpersons</p> <p>Dr. P. Kumar</p> <p>Dr. Niraj Kulshrestha</p> <p>Dr. T. Jayalakshmi*</p> <p>View: Dr. S.K. Katiyar</p> <p>Counterview: Dr. Naresh Patel</p>	<p>3.30 PM – 3.50 PM</p> <p>Session on “Clinical Aspects and Therapeutic Aspects of Tuberculosis”</p> <p>Chairpersons: Dr. K.B. Gupta Dr. Salil Bendre*</p> <p>CHEST WALL MASS DUE TO TUBERCULOSIS: CASE REPORT OF 3 CASES</p> <p>Bharath Kathi</p> <p>Tuberculosis and Diabetes</p> <p>Tanay Joshi</p> <p>Concomitant Pulmonary tuberculosis and lepromatous leprosy with type 2 lepra reaction in a single individual: A Case report</p> <p>Srikant Agarwal</p>	
<p>4.15 P.M. – 5.00 P.M.</p>	<p>Symposium on “Brochogenic Carcinoma”</p> <p>Chairpersons</p> <p>Dr. D. Behera -</p>	<p>3.50 PM – 4.45 PM</p> <p>Session on “Advances in Respiratory Diseases”</p> <p>Chairpersons: Dr. M.M. Puri Dr. Anand Jaiswal</p>	

	<p>Dr. Rajendra Prasad</p> <p>Dr. Shashidhar Buggi</p> <p>Coordinator</p> <p>Dr. Murad Lala *</p>	<p style="text-align: center;">Dr. Ashwani Khanna</p> <p>Smoking</p> <p style="text-align: center;">O.A. Sarma</p> <p>Community-based screening for Chronic Obstructive Pulmonary Disease among elderly in an urban area of South India</p> <p style="text-align: center;">Ramesh Chand Chauhan</p> <p>SPUTUM BACTERIOLOGICAL PROFILE AND ANTIBIOGRAM IN EXACERBATIONS OF BRONCHIECTASIS</p> <p style="text-align: center;">N.K. Aslam</p> <p>BACTERIA CONTAMINATING SPUTUM IN COPD PATIENTS</p> <p style="text-align: center;">Sangeeta Mahale</p> <p>Pleural effusions in 6 months period in Government General Hospital, Vijayawada -- A Cross sectional Study</p> <p style="text-align: center;">Laxmikanth</p> <p>Effect of Hatha yogasanas on the lung functions in healthy volunteers</p>	
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		<p>R.Chella</p> <p>Utility of non-invasive ventilation (NIV) in type II respiratory failure</p> <p>Bharath Kathi</p> <p>To study the prevalence, risk factors and clinical profile of Asthma-COPD Overlap Syndrome (ACOS)</p> <p>Ravinder Malik</p>	
		<p><i>4.45 PM – 5.30 PM</i></p> <p><i>Session on “ ACSM & Socio-behavioural aspects of Tuberculosis”</i></p> <p>Chairpersons: Dr. K.S. Sachdedva</p> <p>Successful engagement of chemists (medical shop owners) in TB care and control - A success story</p> <p>Vikas Panibatla</p> <p>Knowledge of private practitioners of Bangalore city regarding diagnosis, treatment of pulmonary TB and compliance with case notification</p> <p>V.K. Chadha</p>	

		<p>Tuberculosis treatment outcomes in substance-abuse patients of Nagaland, India</p> <p>Rahul Shenoy</p> <p>Effect of a structured teaching programme on knowledge regarding pulmonary rehabilitation among patients with Chronic Obstructive Pulmonary Disease</p> <p>K. Venugopal</p> <p>Patient pathways to TB Care, Mumbai slums</p> <p>Akshaya Patil</p> <p>CAN SELF HELP GROUPS BE THE LINK FOR ACSM EFFORTS? BASELINE FINDINGS FROM VIRUDHUNAGAR DISTRICT OF TAMIL NADU</p> <p>Saju Joseph</p> <p>Patient's perceptions about the implementation of Revised National Tuberculosis Control Programme</p>	
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		<p>S.K. Verma</p> <p>Impact of integrated ACSM strategies on TB knowledge and awareness levels in tribal dominant districts of Jharkhand</p> <p>Prashant Kulkarni</p>	
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DAY 2: - 7.2.2015 - 9.00 AM to 5.30 PM

TIME	HALL A		HALL B	Meetings
9.00 AM – 9.45 AM	<p>Session on “Obstructive Airways disease”</p> <p>Moderator:</p> <p>Agam Vora*</p> <p>Speakers</p>			

	<p>Managing exacerbation of COPD</p> <p>Sanjeev Mehta*</p> <p>Asthma COPD Overlap Syndrome</p> <p>Sundeep Salve*</p> <p>Drug delivery in obstructive airways disease</p> <p>Jaideep Gogtay*</p>			
9.45 AM – 10.15 AM	<p>Guest Lecture</p> <p>Dr. O.P. Sharma</p> <p><i>Chairpersons: Dr. V.K. Arora Dr. Rohit Sarin Dr. Rajendra Prasad</i></p>			
10.15 AM – 11.00 AM	<p><i>P.K. Sen TAI Gold Medal Oration</i></p> <p>Progress and Challenges in TB Control: Looking Towards 2025</p> <p><i>Dr. Soumya Swaminathan</i></p>			

	<p><i>Chairpersons: Dr. L.S. Chauhan Dr. V.K. Arora Dr. Rohit Sarin Dr. K. Jagannath</i></p>			
<p>11.00 AM – 11.45 AM</p>	<p>Session on "Interstitial Lung Disease"</p> <p>Moderators:</p> <p>Ashok Mahasur*</p> <p>Alpa Dalal*</p> <p>Speakers</p> <p>Recent Classification</p> <p>Sujit Rajan*</p> <p>Diagnostic approach</p> <p>Prahlad Prabhudesai*</p> <p>Current status of management.</p> <p>Prashant Chhajed*</p>			

<p>11.45 AM – 12.30 PM</p>	<p><i>Dr.S.N. Tripathy Memorial Oration</i></p> <p>Medical thoracoscopy in the management of tuberculous pleural effusion</p> <p><i>Lt. Genl (Dr.) BNBM Prasad</i></p> <p><i>Chairpersons: Dr.L.S. Chauhan Dr.Rohit Sarin Dr. Rajendra Prasad</i></p>			
<p>12.30 P.M. – 1.30 P.M.</p>	<p>Session on “New frontiers in TB”</p> <p>Chairpersons</p> <p>Dr. L.S.Chauhan Dr. S.K. Katiyar</p> <p>Speakers</p> <p>Newer drugs in Tuberculosis</p> <p>Dr. Sarabjeet Chadha</p> <p>Newer diagnostics in Tuberculosis</p> <p>Dr.V.P. Myneedu</p>			
	<p>Lunch 1.30 PM to 2.00 PM</p>			<p>Joint meeting of Secretaries of State TB Associations & Standing Technical Committee</p>

<p>2.00 PM – 3.00 PM</p>	<p>Symposium on “TB & HIV”</p> <p>Chairpersons</p> <p>Dr. Norman Markowitz Dr. K.S.Sachdeva Dr. Neeta Singla</p> <p>Speakers</p> <p>National level TB-HIV collaboration – Achievements and way forward</p> <p>Dr. Ashok Kumar</p> <p>Immune Reconstitution Syndrome in TB-associated HIV – can we prevent it?</p> <p>Dr. Upasana Agarwal</p>	<p>2.00 PM – 2.45 PM</p>	<p>Session on “TAI -assisted short term research projects”</p> <p>Chairpersons</p> <p>Dr. Surya Kant Dr. Sushil Munjal Dr. K.K.Chopra</p> <p>Air borne infection control - Bacterial and fungal yields of air samples in hospital environment</p> <p>M. Anitha</p> <p>Rapid identification of Mycobacterium species by molecular method and comparisons with standard procedure</p> <p>Ajoy Kumar Verma</p> <p>Screening of diabetes mellitus patients for active pulmonary tuberculosis</p> <p>M. Krishnappa</p> <p>Early detection of multidrug resistant tuberculosis by simple culture methods</p> <p>G. Divya</p> <p>A comparison of clinical, laboratory and radiological</p>	
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			<p>imaging in assessing prevalence of pulmonary tuberculosis among adults in rural Kanchipuram</p> <p>Sunil Kumar Jada</p> <p>Comparative evaluation of a multiple antigen (GlcB, HspX, MPT51, Ag85B, and PstS1) based diagnostic protocol versus Polymerase Chain Reaction assays (qRT-PCR and gel-based duplex PCR) for rapid and efficient diagnosis of childhood tuberculous meningitis</p> <p>Abhishek Mittal</p>	
3.00 P.M. – 4.00 P.M.	<p><i>Symposium on “TB and related issues”</i></p> <p><i>Chairpersons:</i></p> <p>Dr. Ashok Mahashur*</p> <p>Dr. Prashant Chhajed*</p> <p><i>Speakers</i></p> <p>Dr. Akshay Parikh*</p> <p>Bio-enhancers and ATT</p> <p>Tuberculosis and ICU</p>	2.45 PM – 3.30 PM	<p>Session on “Research in DR/MDRTB”</p> <p>Chairpersons: Dr. K.S. Sachdeva Dr. Minni Khetarpal* Dr. Rupak Singla Dr. Girija Nair*</p> <p>Investigating the factors associated with Multi Drug Resistant-Tuberculosis in Surat District -a Case Control Study</p> <p>Yadav Shiv Kumar</p> <p>Ototoxicity associated with usage of injectable Kanamycin in drug resistant TB patients (Cat IV eligible)</p>	

	<i>Dr. Khilnani</i>		<p>Arun Kumar S. Roy</p> <p>Direct observation (DO) for drug-resistant tuberculosis: Do we really DO?</p> <p>Stella Smith</p> <p>Causes and their impact on outcome of MDR-TB: Analysis of Category IV RNTCP</p> <p>Neha Agrawal</p> <p>Antimycobacterial susceptibility testing of Isoniazid with Naborene as nano carrier</p> <p>Kalai Selvi</p> <p>Best practices in managing MDR-TB at Chest Clinic Moti Nagar - A doctor-patient rendezvous</p> <p>A.K. Vashist</p>	
4.00 PM - 5.00 PM	<p>Symposium on “Respiratory Diseases”</p> <p>Chairpersons</p> <p>Dr. V.K. Arora Dr. Arun Bamne * Dr. Alpa Dalal*</p> <p>Speakers</p>	3.30 PM – 4.15 PM	<p>Session on “Newer innovations in TB Control”</p> <p>Chairpersons: Dr. K.B. Gupta Dr. Ashwani Khanna Dr. Jai Kishan Dr. N. Ramraje*</p> <p>Retrospective analysis of MDR-TB patients registered under RNTCP in a Public sector hospital of western region of India</p>	

	<p>1. COAD controversies</p> <p>Salil Bendre*</p> <p>2. What is new in bronchial asthma?</p> <p>Raj Bir Singh*</p> <p>3. Non-resolving Pneumonias</p> <p>P.P. Roy, Kolkata</p> <p>4. Newer interventions in management of COPD</p> <p>Rakesh Chawla</p> <p>5. Approach to normal looking chest x-ray</p> <p>Rajendra Prasad</p>		<p>Mani Tiwari</p> <p>A successful example of public--private partnership for DOTS implementation</p> <p>Seema Ingole</p> <p>Treatment outcome of pulmonary tuberculosis patients taking DOTS Category-2 of previously lost to follow up for treatment</p> <p>Balbir Malhotra</p> <p>Performance, response and outcome of treatment under RNTCP in a district Nagpur rural, Maharashtra</p> <p>AMOL D. KHADSE</p> <p>ONE YEAR TREATMENT RESPONSE OF CATEGORY IV REGIMEN IN WESTERN RAJASTHAN UNDER RNTCP</p> <p>Sunil Kasotia</p> <p>Public Private Mix model for tuberculosis control in a rural area of Wardha District</p> <p>Abhay M. Gaidhane</p>	
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5.00 PM	Valedictory	4.15 PM – 5.00 PM	<p>Session on “TB and HIV Co-infection -Collaborative Control Activities”</p> <p>Chairpersons: Dr. Norman Markowitz Dr. Upasana Agarwal Dr. Agam Vora*</p> <p>Report of integration of TB & HIV control programmes (RNTCP & NACP) at a private medical college</p> <p>Simhadri Naidu</p> <p>Rifampicin exposure is lower in HIV-infected TB patients receiving intermittent than daily anti-TB treatment</p> <p>A.K. Hemanth Kumar</p> <p>HIV And Diabetes Among Drug Resistant TB (DRTB) Patients In Nagpur ,India</p> <p>Rajesh D. Deshmukh</p> <p>Effect of non-compliance to directly observed treatment short course on TB treatment among HIV-TB co-infected adults in Bangalore municipality area</p> <p>Arun Mohan</p>	
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			<p>Involving Edu Clowns in Information, Education and Communication activities to promote HIV and TB Co-infection awareness among people living with HIV and AIDS about care and support during treatment</p> <p>Ms. Mercy Annapoorani</p>	
		<p>5.00 PM – 5.30 PM</p>	<p>Session on “Assorted Papers”</p> <p>Chairpersons: Dr. M.M. Puri Dr. Anand Jaiswal Dr. Nilkanth Awad*</p> <p>Cloning and expression of antigenic proteins of pathogenic organisms: special focus on mycobacterial family</p> <p>Gautam Krishnan</p> <p>Outcome of DOTS</p> <p>P.V. Potdar</p> <p>A case of silicosis in a chakki mill worker</p> <p>Suhas Tiple</p>	

			Host Genetics & Tuberculosis P.P. Aravindan	
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POSTERS

THEMATIC ISSUES ON PULMONARY TUBERCULOSIS

DAY 1 - 6.2.2015

(10.00 A.M. to 12.00 NOON (FORENOON))

A pilot study on the application of nucleic acid based amplification techniques in detection of biomarkers associated with latent tuberculosis

Bagyalakshmi

To assess knowledge and awareness about TB among college students

Ravinandan

A STUDY ON KNOWLEDGE AND AWARENESS ABOUT TUBERCULOSIS IN SENIOR SCHOOL CHILDREN OF BANGALORE RURAL REGION

Vanaja

Human rights - TB Disease - Creating awareness

P.S. Sarma

Prospective and Retrospective study of Epidemiological factors of TB in and around B.G.Nagara

Satish Kumar

Comparison between Molecular Line Probe Assay and Conventional Drug Susceptibility Test for Detection of Multi-Drug Resistant Tuberculosis (MDR-TB)

S. Saini

Resistance of Mycobacterium tuberculosis to first and second line anti-TB drugs among MDR suspects

K.K. Chopra

Telemedicine based approach for the treatment and monitoring of Tuberculosis infected patients among Indian Population

Selvaa Kumar C

Tubercular Mastitis: A case report

AP Kansal

A study of Awareness about Resistant Tuberculosis Among Medical Professionals

N.Snigdha

Demographic And Socio-Economic Risk Factors Among Diabetic And Non-Diabetic Tuberculosis Patients Under Dot In South Delhi, India

K.U. Khayyam

Socio Political and Administrative interventions and role of community participation in TB Control programme in Kasaragod District – An update

K. Raviprasada

DAY 1 - 6.2.2015

THEMATIC ISSUES ON EXTRA-PULMONARY TUBERCULOSIS

(2.00 PM. to 4.00 PM (AFTERNOON))

XDR Tuberculosis – that too Extra Pulmonary – a case report

Loreen Gujral

Estimation of the incidence of primary MDR-TB in the population of a semi urban area in Navi Mumbai

Vipul Goyal

CAPREOMYCIN INDUCED ELECTROLYTE IMBALANCE IN 13-YEAR OLD FEMALE UNDER CAT-V REGIMEN FOR EXTENSIVE DRUG RESISTANT PULMONARY TUBERCULOSIS

Mani Tiwari

A clinico-microbiological study of tuberculosis in immunocompetent and immunpromised patients

Dipankar Pal

Comparison of IGRA(INTERFERON GAMMA RELEASE ASSAY) : T-SPOT.TB Assay , quantiFERON TB GOLD TEST and Tuberculin Skin Test for the evaluation of young children at high risk for tuberculosis

Dinesh

Performance evaluation of Genotype MTBDRplus assay for rapid diagnosis of non-tuberculous mycobacteria in smear positive sputum specimens

V. Ahmad

BILATERAL EXTENSIVE PULMONARY TUBERCULOSIS IN A THREE MONTH OLD INFANT

Ravindra Kumar Singh

Shortcomings in Non-DOTS Prescription

A.P. Kansal

Role of Bronchoscopy in the diagnosis of Pulmonary Tuberculosis in sputum smear negative patients

Vishal Chopra

Pulmonary and extrapulmonary manifestations in HIV sero-positive patients presenting in a Tertiary care centre

AP Kansal

DAY 2 - 7.2.2015

RESPIRATORY DISEASES

(10.00 A.M. to 12.00 NOON (FORENOON))

Tobacco use and its impact on pulmonary health among elderly population in rural areas of Muzaffarnagar – A cross-sectional study

Rama Shankar

Marfenoid features with recurrent spontaneous pneumothorax

Aamir Nadeem

Non Hodgkins Lymphoma presenting as a chest wall mass

Abhijit Ahuja

HIV AND LUNG CANCER

Rajat Chhabra

Scalp metastases--an unusual presentation of non-small cell lung cancer prognosis of cutaneous metastases

Sunil Nagar

Stochastic model to detect the HIV and TB patient through socio-behavioural studies

Vinoth

DAY 2 - 7.2.2015

ASSORTED ISSUES

(2.00 PM to 4.00 PM (AFTERNOON))

Case Report: A rare case of right sided pleural effusion with polycystic liver disease

Monika Keena

PTB & DVT

Rajat Chhabra

A Case of Pulmonary tuberculosis mimicking as lung carcinoma

Abhishek Faye

Pollution and Pulmones

O.A.Sarma

ASSESS THE DIAGNOSTIC EFFICACY OF NEWER TOOLS FOR DIAGNOSIS OF PAEDIATRIC TUBERCULOSIS

H. Vashistha

A COMPARATIVE MICROSCOPIC & CULTURAL TUBERCULOSIS DIAGNOSTIC STUDY IN RURAL CHENNAI

Karthika Jayakumar

Geographical and demographic profile of Tuberculosis in pediatric population in Western India

Ira Shah

Rare presentation of pulmonary tuberculosis as a case of Cryptogenic Organizing Pneumonia

Anupama Murthy

Mycobacterium Chelonae causing pulmonary infection - a case report

Anupama Murthy

Adverse effects of Aminoglycosides in children with drug-resistant tuberculosis

Ira Shah