

Dr S Arulsevi, Assistant Professor, Laboratory Medicine, JPNATC

Job Responsibility

- Haematology, Biochemistry, Histopathology sections of Lab Medicine
- Faculty In Charge of Blood Bank of JPNATC, AIIMS

Awards and achievements:

1. Received **best paper award** in the study titled **Clinical Course and Outcome in Acutely Injured Patients with Thrombocytopenia** at 'Trauma 2009' International congress & second annual conference of ISTAC, JPN Apex trauma centre, AIIMS, New Delhi 12-15 November, 2009
2. Presented poster on **“The Leucocyte Count, Immature Granulocyte Count and Immediate Outcome in Head Injury Patients”** at 'Trauma 2009' International congress & second annual conference of ISTAC, JPN Apex trauma centre, AIIMS, New Delhi 12-15 November, 2009
3. Received **best paper award** for co authoring the study titled **" Fresh frozen plasma – audit of its use and correlation to mortality in trauma patients”** at 'Trauma 2009' International congress & second annual conference of ISTAC, JPN Apex trauma centre, AIIMS, New Delhi 12-15 November, 2009
4. Received **best poster award** for the study (co authored) titled **" Challenges of Blood Transfusion Services in a Level 1 Trauma Centre” setting'** at 'Trauma 2009' International congress & second annual conference of ISTAC, JPN Apex trauma centre, AIIMS, New Delhi 12-15 November, 2009
5. **Initiated new Pathology Laboratory**, as an extension of Lab Medicine in JPNATC. Fully Functional from 22 2 10
6. **Evaluation of monitor 100 in measurement of erythrocyte sedimentation rate** – presented in hematology conference held in AIIMS, November, 2009
7. received a memento for the services rendered towards upliftment of the working and prestige of medical fraternity and society at large on on 10 th august , 2008 while celebrating 94 th foundation day of Delhi Medical Association , held in DMA house, Daryaganj, New Delhi

8. Asst Editor to Journal of Laboratory Physicians.
9. **Blood ordering schedule for elective orthopedic surgeries: One year experience in a tertiary trauma care hospital in North India - – Received best paper award** at 'Trauma 2008' International congress & first annual conference of ISTAC, Siri Fort auditorium, New Delhi 28-30 November, 2008
10. **Blood Transfusion services in Jai Prakash Narayan Apex Trauma Centre, Delhi, India: a 20 months retrospective review – Received best poster award** at 'Trauma 2008' International congress & first annual conference of ISTAC, Siri Fort auditorium New Delhi 28-30 November, 2008
11. **Hypofibrinogenemia in isolated traumatic brain injury: Preliminary results of a pilot study** at 'Trauma 2009' International congress & first annual conference of ISTAC, Siri Fort auditorium, New Delhi 28-30 November, 2008
12. **Retrospective analysis of CSF on head injury patients.** at 'Trauma 2008' International congress & first annual conference of ISTAC, Siri Fort auditorium, New Delhi 28-30 November, 2008
13. **Nosocomial urinary tract infections amongst trauma patients at a level-1 trauma centre.** at 'Trauma 2009' International congress & first annual conference of ISTAC, Siri Fort auditorium, New Delhi 28-30 November, 2008
14. **Occurrence of Cold Auto Antibodies in a trauma tertiary centre Blood Bank.** at 'Trauma 2008' International congress & first annual conference of ISTAC, Siri Fort auditorium, New Delhi 28-30 November, 2008
15. **“Coagulation studies in orthopaedic patients with multiple traumatic fractures”** presented by *Dr Namit Saraf, in TRAUMA CON 08 held in mumbai between 15 th to 17 th august , 2008* organised by the TRAUMA SOCIETY OF INDIA AND MUMBAI SUBURBAN ORTHOPAEDIC SOCIETY. Co-authors: Dr. Arulselvi, Dr. Jatin, Dr. Vijay Sharma; All India Institute of Medical Sciences, New Delhi
16. **first report of tigecycline susceptibility from india: high prevalence of resistance in acinetobacter spp.** Bijayini Behera¹, Anupam Das², Purva Mathur¹, Jatin Gandhi¹, S Arulselvi¹, Arti Kapil², Benu Dhawan², Ravishekhar Gadepalli² Microbiology Division of Laboratory Medicine, JPNA Trauma Centre¹ and Department of Microbiology², All India Institute of Medical Sciences, New Delhi

17. **Nevoid basal cell carcinoma syndrome (Gorlin's syndrome) - A case report.** In XX Annual conference of IAPM (Delhi chapter) ,held in Lady Hardinge Medical college ,Delhi on 2005
18. **Nasal Glial Heterotopia - A case report.** In XX Annual conference of IAPM (Delhi chapter) , held in Lady Hardinge Medical college ,Delhi on 2005
19. **Myelodysplastic Syndrome: A Five year study & Review of Literature** .Presented in XV Annual Conference Delhi Society of Haematology on 24 July 2004 in AIIMS, New Delhi.
20. **Intestinal Endometriosis.** In XVII Annual conference of IAPM (Delhi Chapter) held on 7 th April, 2002 in R&R Hospital, Delhi Cantt Pancytopenia: A Haematological analysis. Presented in XVIII Annual Conference of IAPM (Delhi Chapter) 6 April 2003 MAMC, Delhi
21. **Malignant Melanoma of soft tissue. Diagnosis by FNAC.** 13 th November 1999, Kasturba Medical college, Mangalore, Karnataka.
22. **A case of Polymorphic Large cell Immunoblastic Lymphoma.** In 47 th Annual national conference of IAPM , held in Kanyakumari, Tamilnadu on 15 th December 1998.

PUBLICATIONS

1. Kanchana Rangarajan, **Arulselvi Subramanian**, Jatin S Gandhi, Namit Saraf, Vijay Sharma, Kamran Farooque. Coagulation studies in patients with orthopedic trauma. Journal of Emergency Trauma and Shock . 2010. 3(1): 4-8
2. Authored a Book “ Blood Bank manual for clinical use”
3. N Singh, *KA Sharma, V Dadhwal, S Mittal, **AS Selvi** A successful management of dengue fever in pregnancy: report of two cases. Indian Journal of medical Microbiology 2008; Volume 26 (No 4) : 377-380
4. Seema Rao, Kusum Gupta, Rashmi Arora, **S.Arulselvi** Fine needle aspiration of tophi in asymptomatic gout - a case report Indian J.Pathol.Microbiology 2006 ; 49 (2) : 244-245

5. S S Badhal, A K Mukhopadhyay, S Sharma, A Saraiya, **S Arulselvi**. Coagulation Profile in acute pancreatitis .Abstract Indian Society of Gastroenterology 2006 Vol 25 (supplement 2) A 12
6. Seema Rao, **S. Arulselvi**, Kusum Gupta, Rashmi Arora, Dhirender Shrivastava Nevoid basal cell carcinoma syndrome (Gorlin's syndrome) – a case report. Indian J. Pathol Microbiology 2006 ; 49 (4) : 578-580
7. Nasir A , Sharma U, **Arulselvi S**, Khunger J M ,Talib VH. Cytologic diagnosis of retroperitoneal and Iliac fossa neurogenic tumor. Journal of Cytology 21:51-52; 2004
8. Sunil Ranga, **Arul S Selvi**, Kusum Ranga. Diagnostic Interpretation of Laboratory Tests; Family Medicine – Book Published by IMA College of Genl. Practitioners Editors Dr Jagjit Singh, Dr Charanjit Singh Revised Edition 2003. *Chapter in a Book*
9. Jitender Mohan Khunger,**S Arulselvi**,Uma Sharma,Sunil Ranga,V H Talib. Pancytopenia – a clinico-haematological study of 200 cases .Indian J. Pathol. Microbiology July 45:375-379, 2002
10. **S Arulselvi**, Uma Sharma ,Sunil Ranga,Amita Malik,B B Thukral,Rajesh Mehta,V H Talib. Virilizing adrenocortical Carcinoma – Cytologic and Radiologic correlation .Indian J. Pathol. Microbiology 45: 479-482 Oct 2002
11. S K Shahi, Sunil Ranga & **S Arulselvi**. Lactate – a diagnostic indicator Indian J. Pathol. Microbiology 45: 229-232 July 2002

Lectures

1. Taken following lectures for DNB students through teleconferencing sessions (using infrastructure of IGNOU):
 1. 'Interpretation of Common Biochemical tests in Clinical Practice'
 2. 'Preanalytical parameters affecting quality of results in clinical chemistry'
 3. Point of care coagulation testing.
2. Experiences in initiation and establishing of blood bank in JPNA Trauma centre, AIIMS in a CME on Transfusion Medicine held in AIIMS on 16 th April, 2010

Completed Funded Research Project:

1. Principal investigator in “Evaluation of monitor 100 in measurement of erythrocyte sedimentation rate” (*institute project. One year study*) (*under publication in Ind Journal of Pathology and Microbiology*)

Ongoing Funded Research Project:

1. Coagulation profile in Isolated Head injury patients.(ICMR funded project)

Awaiting approval from ICMR :

1. Chief investigator in an ICMR project of “ Association of cytokines – IL 6, IL 10, IL 18 and TNF α in acute coronary syndrome ”. Done in collaboration with cardiology department of AIIMS.
2. Chief investigator in an ICMR project of “Study of novel chemokine RANTES (Regulated upon Activation, Normal T cell Expressed, and Secreted) levels in plasma, cerebrospinal fluid and contused brain tissues as a marker of immune activation in Traumatic Brain Injury (TBI) patients”

Completed Departmental Project:

1. Maximum surgical Blood Ordering schedule (MSBOS) for Orthopaedic trauma patients. Under publication in JETS.
2. Clinical course and outcome in acutely injured patients with thrombocytopenia.
3. “The Leucocyte Count, Immature Granulocyte Count and Immediate Outcome in Head Injury Patients”. Under Publication in Neurology India
4. Fresh frozen plasma – audit of its use and correlation to mortality in trauma patients.
5. Hypofibrinogenemia in isolated traumatic brain injury in Indian patients. Under Publication in Neurology India
6. Determinants of mortality in trauma patients following Massive blood transfusion. Under Publication in JETS.
7. Co guide in thesis of Dr Dhruvajyoti Bora, doing MD in Lab Medicine.
Title – Role of Interleukin -1, IL 6, IL 10 and TNF – α along with NFK – β and isoprostane in acute pancreatitis

3. “Coagulation profile in patients with orthopedic Trauma patients ”
4. Retrospective study of CSF analysis in Head injury patients

Ongoing Departmental Project:

1. “Evaluation of amylase and lipase estimation in Blunt Trauma Abdomen patients”
2. ‘Comparison of two different laboratory methods used to measure electrolytes’
3. Evaluation of C Reactive protein (CRP), Erythrocyte Sedimentation rate (ESR) and Immature Granulocyte Fraction (IGF) as a prognostic marker in severely traumatized patients
4. Maximum surgical Blood Ordering schedule (MSBOS) for Surgery and Neurosurgery Trauma patients.
5. Influence of Transfusion in the mortality of Trauma patients
6. Admission levels of Amylase and Lipase in the predicting the development of Multi Organ Failure in Trauma patients.
7. Evaluation of Massive blood transfusion practice in trauma patients: prospective study
8. Co guide in Ph D (lab medicine) thesis of Ms Pooja Pallavi in “The role of T cell apoptosis, neurotrophins, cytokines, and genetic polymorphisms in clinical manifestation of depression in adolescents”
9. Member of doctoral committee for project of Ms Jyotsna (Ph D in lab medicine).

Title – elucidating the expression of the genes involved in apoptosis of L. Donovan and their role in miltefosine resistance.

10. Member of doctoral committee for project of Mr. Naseem. (Ph D in lab Medicine)
Title - Assessment of risk factors associated with Alzheimer’s disease and Vascular Dementia