

Dr Abhishek Chauhan

Professor (Junior Grade), Radiodiagnosis, DrRMLIMS

Qualifications

Degree	University/Institute	Passing Year
M.B.B.S.	King George's Medical University (KGMU), Lucknow	2005
M.D. Radiodiagnosis	Sanjay Gandhi Post Graduate Institute of Medical Sciences (SGPGIMS), Lucknow	2009
Senior Residency	Sanjay Gandhi Post Graduate Institute of Medical Sciences, (SGPGIMS), Lucknow	2013

- **Present Position-** Professor (JG)
- **Area of Interest-** Intervention Radiology (Interventional Oncology, Abdominal interventions and Peripheral vascular intervention)
- **Publications-** Total- 10 (International –10) last 3yrs

SN.	T I T L E	AUTHORS IN SERIAL ORDER	JOURNAL	YEA R	VOL	PAGE NO	INDEXED Yes/No
1.	Role of magnetic resonance imaging in predicting infection in pancreatico-biliary diseases	Dr Abhishek Chauhan Dr GauravRaj Dr Ragini Singh	International Journal of Scientific Research (IJSR)	2019	Vol. 8 (8)	24-26	Yes
2.	Pre and post transarterial chemoembolisation assessment in liver tumor by multiphasic ct angiography: a prospective observational study	Dr Amrita Singh Dr Abhishek Chauhan Dr GauravRaj Dr Ragini Singh	International Journal of Scientific Research (IJSR)	2019	Vol. 8 (8)	73-75	Yes
3.	Effect of pneumococcal conjugate vaccination on radiological findings of chest in infants hospitalized with community acquired pneumonia in northern India: a case-control study	Dr Shally Awasthi, Dr Chandra Mani Pandey, Dr Neelam Verma, Dr Chandra Bhushan , Dr Chittaranjan Roy, Dr Kripanath Mishra, Dr Pankaj Kumar Jain, Dr Rajesh Yadav, Dr RamChandra Shukla, DrNamita Mohindra, Dr Abhishek Chauhan , Dr Monika Agarwal, Dr Neera Kohli	European Respiratory Journal (ERJ)	2019	58	PA:1036	Yes
4.	Chest radiograph findings in children aged 2–59 months hospitalised with community-acquired pneumonia, prior to the introduction of pneumococcal conjugate vaccine in India: a prospective multisite observational study	ShallyAwasthi , TuhinaRastogi, Neha Mishra, Abhishek Chauhan , NamitaMohindra, Ram Chandra Shukla, Monika Agarwal, Chandra Mani Pandey, NeeraKohli, CAP Study Group	British Medical Journal (BMJ open)	2020	10	E034066	Yes
5.	Correlation of Molecular Markers in High Grade Gliomas with Response to Chemo-Radiation	RohiniKhurana, SatyajeetRath , HarikeshBahadur Singh, MadhupRastogi, SambitSwarup Nanda, Abhishek Chauhan , Mohammad Kaif, NuzhatHussain	Asian Pacific Journal of Cancer Prevention (APJCP)	2020	Vol 21	755-760	Yes

6.	Correlation of Molecular Markers in High Grade Gliomas with Response to Chemo-Radiation	RohiniKhurana, SatyajeetRath , HarikeshBahadur Singh, MadhupRastogi, SambitSwarup Nanda, Abhishek Chauhan , Mohammad Kaif, NuzhatHussain	Asian Pacific Journal of Cancer Prevention (APJCP)	2020	Vol. 21	755-760	Yes
7.	Prevalence and predictors of adverse reactions in plateletpheresis donors with the perspective of donor safety in a tertiary care hospital of Northern India	Archana Solanki, Rahul Katharia, Ashutosh Singh, Abhishek Chauhan , Tulika Chandra, Atul Sonker, Prashant Agarwal.	Asian J Transfus Sci	2020	Vol. 14 1	41-48	Yes
8.	Therapeutic plasma exchange: a life saving modality in Wegener's granulomatosis.	Archana Solanki, Ashutosh Singh, Abhishek Chauhan , Tulika Chandra, D Himanshu.	Asian J Transfus Sci	2020	Vol. 14 2	203-205	Yes
9.	A simple and cost effective strategy to mitigate vasovagal reactions among whole blood donors, a study from North India	Archana Solanki, Rahul Katharia, Ashutosh Singh, Abhishek Chauhan , Tulika Chandra, Atul Sonker, Prashant Agarwal	Global Journal of Transfusion Medicine	2020	Vol. 5 (2)	146-149	Yes

10.	Therapeutic plasma exchange an emerging treatment modality: A 3-year retrospective analysis of patients admitted in a multispecialty hospital of North India	Archana Solanki, Ashutosh Singh, Abhishek Chauhan , Devisha Agarwal 2 , D. Himanshu3 , Tulika Chandra	Asian J Transfus Sci	2021	In Press		Yes
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Project/ Thesis

External Project:

WHO Project (in collaboration with Dept. of Paediatrics KGMU): “Surveillance for Radiological Pneumonia in children under 5 years of age in Uttar Pradesh and Bihar”- working as arbitrator- In progress

Funded by Bill & Melinda Gates Foundation

(Principal / Co-investigator: Dr Shally Awasthi, Dr R C Shukla, Dr Neera Kohli, **Dr Abhishek Chauhan**, Dr Namita Mahindra)

Thesis (MD/MS):

Contribution as Principal / co-investigator—

1. Comparison of pain and jaundice in right VS left access to percutaneous transhepatic biliary drainage (PTBD) in carcinoma gall bladder patient.
2. Bronchial Artery Embolization (BAE) for Moderate to Massive Hemoptysis: Experience from a Tertiary Centre in Eastern Uttar Pradesh

Memberships of registered society-

SN	STATUS	NAME	DATE OF MEMBERSHIP
1.	LIFE MEMBER	IRIA (INDIAN RADIOLOGICAL AND IMAGING ASSOCIATION)	NO: 543LM/UP-270B (MARCH 2012)
2.	FULL MEMBER	ISVIR (INDIAN SOCIETY OF VASCULAR AND INTERVENTIONAL RADIOLOGY)	NO.FM/551 (AUG 2016)
3.	GROUP MEMBER	CIRSE (CARDIOVASCULAR AND INTERVENTIONAL RADIOLOGICAL SOCIETY OF EUROPE)	APRIL 2019
4.	GROUP MEMBER	APSCVIR (ASIA PACIFIC SOCIETY OF CARDIOVASCULAR INTERVENTION RADIOLOGY)	APRIL 2019
5.	AFFILIATE MEMBER	SOCIETY OF INTERVENTION RADIOLOGY (SIR), USA	APRIL 2019

Awards/Fellowships

- 1. Health Icon and Corona Warrior Award (Field: Intervention Radiology)
2021**
- 2. NAMS – membership of National Academy of Medical Sciences (NAMS),
AIIMS, Bhopal OCT. 2019**
- 3. SIRAP (Seminar for intervention radiology in Asia pacific)- Visiting fellow,
Kanagawa, Japan- 2019**
- 4. Fellowship - Asia-Pacific Vascular Society (APVS) 2014.**

Any Other

- Selected and served as “**Executive Member**” of our national body—**ISVIR** (Indian Society of Vascular and Intervention Radiology)
- **National faculty-- ISVIR**
- Online course on “Basic course in Biomedical Research” (**BCBR**) conducted by **ICMR** and NIE, New Delhi, March-June 2020 and obtained 90% marks
- Health Icon and Corona Warrior Award (**Field: Intervention Radiology**) 2021

Institutional tasks and responsibilities

S.NO.	Task	Target	Achievement
1.	Health Care Worker (Oncology building incharge) for COVID-19	ongoing	Regular update of the cases reported and detected
2	Development of Intervention radiology work as subspecialty with focus on abdominal, vascular and oncology intervention.	Starting PDCC/Fellowship	Increase spectrum and number of cases
3	Radiology technician incharge (technical management)	Streamline posting duties and motivating for covid duties	More people are willing and doing covid duties
4.	Offline/online appointment on of intervention patient	Routine	Done with the help of IT dept RML
5.	Motivating and orienting residents for publication of research articles	Publication of thesis and projects	Residents are publishing them.
6.	Assistant Warden (SC Rai Resident Hostel)	Routine inspection	Management streamlined

COVID Duty Details (Year 2020-21 onwards)

S.NO.	From Date	To Date	Place of Duty*
1.	26/06/2020	07/07/2020	Triage Area (Fever Clinic)
2.	06/05/2021	20/05/2021	Isolation COVID ward

Future Interventional Goals

- To start “DSA Guided Transarterial Directed Delivery of Stem Cells therapy” in patients with Chronic liver disease (CLD).

Thank You

Intervention Radiology Section

- OPD running all 6 days a week.
- Elective Interventional OT procedures- 3 days a week (Mon, Wed, Fri)
- Emergency cases OT is operational- throughout 6 days a week
- Radiology Beds – four (4)

Equipments:

- C-Arm Fluoroscopy with USG machine
- Digital Subtraction Angiography (DSA)
- Radiofrequency Ablation (RFA)
- 64-slice CT scanner/ Doppler USG for Image-guided procedures

GASTRO/URO-RADIOLOGY C-ARM INTERVENTIONS

- PTBD (CBD block, Hilar floor involvement and Benign biliary stricture) minimally or non-dilated PTBD +/- Antegrade Biliary Stenting of hilar block (Self expandable metallic stents and Hybrid stent)
- PCD of Liver abscess, abdominal collections, Trans gastric and Trans hepatic-trans duodenal pancreatic pseudocyst drainage
- PCN including minimally dilated system and renal transplant recipient, Antegrade Ureteric stenting (DJ stenting)
- PAIR for Hydatid cysts.
- Image-Guided (USG, doppler, CT guided) Biopsy, FNAC and Single time aspiration.
- USG guided Intercostal drainage (ICD) of pleural effusion.
- Esophageal and antral stenting.
- Percutaneous radiographically guided Gastrostomy.

ENDOVASCULAR DSA INTERVENTIONAL PROCEDURES:

- Sclerotherapy of Peripheral Vascular Malformations (Venous Malformations and Hemangiomas).
- Bronchial artery embolisation (BAE) for recurrent hemoptysis.
- Inferior Petrosal sinus (IPSS) and Renal vein hormonal sampling
- Embolisation in refractory epistaxis and cases of Juvenile Nasopharyngeal Angiofibroma/ Highly vascular Paraganglioma, Lip vascular malformation
- Embolisation of Brain tumors, Spinal AVM, Head and Neck tumors by PVA/ONYX/Glue.
- Acute Stroke Management- Thrombolysis and Thrombectomy
- Gastrointestinal Bleed - Coil embolisation
- Renal Bleed (post-ESWL Lithotripsy hematuria) - Coil embolisation, Embolisation of Renal Angiomyolipoma
- Trans arterial Chemoembolisation (TACE) of Hepatocellular carcinoma (HCC)/ CRC mets.
- Hepatic/ or IVC Stenting /Angioplasty in Budd- Chiari Syndrome / Hepatic Vein or IVC stent occlusion.
- Radiofrequency ablation (RFA) in HCC and CRC / other liver metastases.
- Uterine Artery Embolisation (UAE) for fibroid/ Dysfunctional uterine bleeding (DUB)
- Doppler USG guided compression of pseudoaneurysms. Percutaneous thrombin injection of pseudoaneurysms.

NEWLY INITIATED INTERVENTIONAL PROCEDURES

- Central vein balloon angioplasty +/- central vein stenting.
- Central line placement in patient with difficult non-classical anatomy
- Vascular stent-graft for SFA/ AV fistula/ aneurysm
- Antegrade Y- and T-configuration biliary stenting
- Antegrade Antro-pyloro-duodenal stenting and Colonic stenting
- IVC filter placement in DVT patients as a prophylaxis to prevent Pulmonary Thromboembolism
- Carotid stenting for the severe CCA/ICA stenosis
- Trans jugular liver biopsy (TJLB) and Transjugular Intrahepatic Porto Systemic Shunt (TIPSS)
- Cone-beam CT (Dyna-CT) guided endovascular diagnostic angiography and therapeutic vascular procedures and Dyna-CT guided Vertebroplasty
- Recanalization and balloon angioplasty of failed Hemodialysis AV fistula in CKD patient
- Repositioning of the migrated and malfunctioned peritoneal dialysis catheter (CAPD)
- DSA guided Snaring of the broken-tip of Chemo-port catheter (foreign body) -with a potential to cause pulmonary thromboembolism.

CURRENT CHALLENGES AND SHORTCOMINGS

- Very few number of beds (atleast 10 beds would solve the crisis) as opposed to patient footfall in OPD. SGPGI and KGMU are already equipped with 20 bedded ward dedicated to Intervention Radiology.
- New equipments required for the future expansion of better and advanced IR services to patients
 - Biplaner DSA suite
 - Microwave Ablation (MWA)
 - Endovenous Laser (EVL)
 - Peripheral thrombectomy system
 - Penumbra System for Acute stroke management
 - Add-on radiation protection equipments.