



Curriculum Vitae

Name	Dr. (Prof) G.N.Lone	College/Institution/ University/Hospital
Position Applying For	Director / Chairman /Professor and Head	CTVS
Current Designation	Senior Consultant Cardiac Surgeon and • DNB Guide • External Examiner , M.Ch/ DrNB CTVS	National Heart Institute New Delhi
Previous Assignments	1. Associate Director, Cardiac Surgery	PSRI Hospital , Saket, New Delhi
	2. Professor and Head, Department of CVTS	SKIMS , Srinagar
Qualifications	MBBS M.S (General Surgery) M.Ch (CVTS) FIACS	GMC,Srinagar SKIMS,Srinagar PGI,Chandigarh IACTS,India

Institution of Highest Qualification	Postgraduate Institute of Medical Sciences, Chandigarh	
Date of Highest Qualification	May, 1997, PGI Chandigarh	
Other Qualifications / Experience	Institution / Hospital	Year
Fellow , Advanced Cardiac Surgery (Adult: OPCABG)	, Escorts Heart Institute and Research Centre, Okhla, New Delhi	2004
Fellow , Advanced Cardiac Surgery (Pediatric)	Escorts Heart Institute and Research Centre, Okhla, New Delhi	2004
Fellow , Indian Association of Cardiothoracic and Vascular Surgery (IACTS)	FIACS, IACTS	13 th May, 2009
Fellow , Advanced Cardiac Surgery (Adult Cardiac, Aortic Aneurysmal Surgery, CABG)	Medanta :Medicity, Gurgaon, Haryana	2013
Fellow , Advanced Cardiac Surgery (Pediatric)	Medanta : The Medicity, Gurgaon, Haryana	2015

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Teaching Experience

Designation	Department/ Institution	From	To	Total Period
Senior Resident	Department of General Surgery SKIMS, Srinagar.	17 th Sept,1994	26 th June,1995	10 months and 15 days
Teaching Fellow(M.Ch Course)	Department of CTVS , PGI, (Chandigarh)	27 th June, 1995	3 rd July, 1997	2 years
Post-M.Ch Senior Resident	Department of CVTS SKIMS, Srinagar , Kashmir	2 nd August, 1997	29 th May, 1998	10 months
Assistant Professor	Department of CVTS, SKIMS, Srinagar	30 th May,1998	23 th June, 2002	4 years
Associate Professor	Department of CVTS, SKIMS, Srinagar.	24 th June,2002	30 th June, 2006	4 years
Additional Professor	Department of CVTS, SKIMS, Srinagar	July1 st , 2006	30 th June, 2010	4 years
Professor	Department of CVTS, SKIMS, Srinagar	July 1 st , 2010,	21 st Oct, 2012	2 years ,4 months
Professor and Head	Department of CVTS, SKIMS, Srinagar.	22 th Oct, 2012	31 st March,2023	10 years and 6 months

Total Teaching Experience after Masters Training (MS, General Surgery) /Senior Residency)

From	To	Total Experience
17 th September , 1994	31 st March ,2023	28 years, 3 months

Superspeciality Teaching Experience (CVTS)

Department of CVTS, SKIMS	From	To	Total Experience
	2nd July , 1995	31 st March ,2023 Sept,2023 to December 2023	27years and 5 months 4 Months
Department of CVTS, SKIMS	Sept,2023	Till Date	8 Months

Administrative Experience as Professor and Head: 10 years and 6 months

Areas of Interest:

1. Heart Failure / Heart and Lung Transplant Programme .
2. Minimally Invasive Cardiac Surgery
3. Radiofrequency Ablation with Concomitant Valvular Surgery.
4. CABG and its Complications.
5. Endovascular Surgery
6. Aortic Root Surgery .
7. Complex Valvular Surgery
8. Complex Congenital Cardiac Surgery.

Experience as Examiner

1. External Examiner for DnRb, CTVS, National Board of Examination, CTVS
2. **Internal Examiner for M.Ch, CVTS Examination, at SKIMS**
 - 2007,2009,2011,2013,2014,2015
 - 2016,2017,2018,2019,2020,2021,2022 and 2023.
2. **External Examiner for M.Ch CVTS at PGI, Chandigarh.**
 - 2015,2016,2017,2018,
 - 2019,2020 and 2021,2022,2023
3. **External Examiner for M.Ch CVTS at AIIMS, New Delhi.**
 - 2017,2018, 2019,2020 and 2021,2022,2023.
4. **External Examiner for Perfusion Technology Course at PGI, Chandigarh : 2019,2020**
5. **Internal Examiner for Perfusion Technology Course at SKIMS during following years •**
2012,2013,2014,2015,2016,2017,2018,2019 , 2020,2021,2022,2023.
6. **Member of Board of External Examiners at SGPGI, Lucknow , PGI -Chandigarh , AIIMS ,New Delhi**
for M.Ch , CVTS.
 - 2020,2021,2022 , 2023,2024,2025.

Guideship Experience

Guideship Experience in Surgery and Allied / Cardiovascular and Thoracic Surgery			
Postgraduate Guide for General Surgery and Allied {MS}			
From	To	Total Period of Guideship	Number of Students who Completed MS
2001	2011	10 years	8

Postdoctoral Guide for M.Ch, CVTS			
From	To	Length of Period Serving as Guide	Number of Students who completed M.Ch Course
2005	2023	18 years	18
Postgraduate Guide for DNB, Cardiothoracic and Vascular Surgery (National Heart Institute , East of Kailash , New Delhi)			
Sept, 2023	Continuing till Date	3 years Plus	2
Guideship Experience (Co-guide) in Paramedical PhD Courses in Biochemistry, Biotechnology and Immunology at SKIMS and Kashmir University			
SKIMS	Biochemistry / Immunology	3	3
University of Kashmir	Biochemistry	2	4
	Medical Biotechnology	2	

Conferences Conducted

1. 55th IACTS CON, 2009

Conducted the Conference as Joint Organizing Secretary, IACTS at SKICC, Srinagar on May 14-17, 2009 in co-ordination with the Organizing Secretary and other members of the Organizing/Scientific Committee under the auspices of “The Indian Association of Cardiovascular and Thoracic Surgeons (IACTS)”. More than 2000 Delegates from the country participated in the event. More than 350 Scientific papers were presented by various delegates. Myself presented many scientific papers during the conference . One of the presentations was awarded as ‘**Best Poster**’. Chaired multiple Scientific Sessions during the conference which lasted for 3 days.

2. ANZCTVS, 2019

As Organizing Chairman, Conducted the National level Conference at SKICC, Srinagar as Organizing Chairman on 15th and 16th June, 2019. 500 delegates including top ranking experts from Cardiac Surgery, Cardiology, Cardiac Anesthesiology, Perfusion Specialists, postdoctoral students and others, from the country, participated. 112 free Scientific research papers were presented by guest speakers and other delegates. A number of panel discussions were held on latest developments in Cardiac Surgery including both Adult as well as Pediatric Cases like Heart Failure and Ventricular Devices, Minimally Invasive and Robotic Cardiac Surgery, Transcatheter Aortic Valve Implantation, Aortic Dissections and Endovascular Aortic Surgery, CABG and current concepts, Ross procedure, Arterial Switch, ECMO and its current applications etc.. 4 major Workshops on vital areas like Vascular

procedures for students, Mitral and Aortic Valve Surgery, VATS and Correction of Tetralogy of Fallot, were conducted attracting both the faculty as well as the students. Post-doctoral students from different Institutions and SKIMS presented numerous research papers before the legendary cardiac surgeons of the country.

3. **PGRP 2014, SKIMS** : As organizing Chairman of Scientific Committee, SKIMS , conducted 18th PGRP from 23th-25th April, 2014 at SKIMS. More than 95 selected scientific papers were presented by the postgraduates from SKIMS, GMC and, SKIMS Medical College. Prizes were distributed amongst the 3 best winners selected from postgraduates of 3 medical colleges of Kashmir Division.

Workshops Conducted

1. Live Pediatric Cardiac Workshop on Complex Congenital Cardiac Diseases in collaboration with team of Cardiac Surgeons , Cardiologist , Cardiac Anesthesiologist , Intensivist , Scrub and ICCU Nurses from Alder Hay's Children Hospital, Liverpool , London under the auspices of 'Healing Little Hearts',UK held at SKIMS from March 24 to March 29,2014. 14 babies were operated successfully with zero mortality.
2. Live Pediatric Cardiac Workshop on Complex Congenital Cardiac Diseases in collaboration with a team of Cardiac Surgeons , Cardiologist , Cardiac Anesthesiologist , Intensivist , Scrub and ICCU Nurses from Alder Hay's Hospital ,Liverpool, UK under the auspices of "Healing Little Hearts" Organization , UK held at SKIMS from June 14 ,2014 to June 21, 2014. 13 babies were operated with one mortality.
3. Live Pediatric Cardiac Workshop held at SKIMS on Complex Congenital Cardiac Diseases in collaboration with a Pediatric Cardiac team from Leicester, UK under the auspices of "Healing Little Hearts" Organization, UK from September 7 to September 13, 2014. 9 babies were operated with one mortality.
4. Live Workshop on "Off Pump CABG" held at SKIMS in collaboration with Department of Cardiovascular & Thoracic surgery, Rajagiri Hospital, Kerala headed by Dr. Shiv Kumar Nair on 2nd -4th July, 2015. 4 patients were operated with Zero mortality for CAD (Off Pump CABG).
5. Live Workshop conducted at SKIMS on "Sternal Closure by Zipfix" on April, 3, 2018 in collaboration with Ethicon, India. 2 patients were taken for the workshop with excellent results.
6. Live Workshop conducted at SKIMS on "Endovenous Radiofrequency Ablation for Varicosity" on February 6, 2018 in collaboration with Covedien/Medtronic, India. 4 patients were selected for the workshop with satisfactory results.
7. Live Pediatric Cardiac Workshop conducted at SKIMS on 18th- 23rd April, 2016 in collaboration with Pediatric Cardiac Team from AIIMS, New Delhi headed by Prof. Balram Airan, Head of CTVS, AIIMS, New Delhi. 13 babies with Complex Cardiac anomalies were operated with one mortality.
8. Live Workshop on Off Pump CABG conducted at SKIMS on 1st & 2nd February, 2019 in collaboration with Cardiosurgical team from Manipal Hospital, New Delhi headed by Dr. Yugal K Mishra, Director Cardiac Surgery, Manipal Hospital, New Delhi. 2 patients were operated by Off Pump technique and both survived.

9. Live Workshop on Radiofrequency Ablation and Concomitant Mitral Valve Replacement on 26th July , 2022 in collaboration with Medtronic , India.
9. Live Workshop on Endovascular Repair of Type B Dissection of Aorta and Extensive Abdominal Aortic Aneurysm (EVAR) on 23rd and 24th July,2022 in collaboration with Medtronic India, Dr.Saraub Rai and his team , Narayana Hardayalaya , Bangalore and Department of Radiodiagnosis and Imaging ,SKIMS.
10. Live Workshop Conducted on Off-Pump CABG on 12th and 13th November, 2022 in collaboration with Dr. Rajnesh Malhotra and his team from Max Hospital Saket, New Delhi.
11. Live Workshop on Endovascular Repair of Thoracic, Abdominal Aortic Aneurysm and Extensive Abdominal Aortic Aneurysm (EVAR) in collaboration with on 20th and 21th of December ,2022 in collaboration with Medtronic India, Dr. Vishal Attri and his team, Indus Hospital Mohali, Chandigarh, and Department of Radiodiagnosis and Imaging, SKIMS.
12. Live Workshop on Radiofrequency Ablation and Concomitant Mitral Valve Replacement on 7th December, 2022 in collaboration with Medtronic , India
13. Live Workshop on Complex CABG in collaboration with Fortis Escorts Hospital , New Delhi (Dr. Ritwick , Director Cardiac Surgery and his team) on 25-26th March,2023.

Workshops Conducted at National Heart Institute ,New Delhi.

- Mitral Valve Surgery.
- Congenital Cardiac Surgery
- Aortic Root Surgery (Bentall Operation)
- Endovascular Aortic Aneurysm Repair (EVAR).
- Radiofrequency Ablation with Concomitant Mitral Valve Replacement.

Fellowships in Cardiac Surgery

1. Fellowship in Complex Congenital Cardiac Surgery at Escorts Hospital and Research Institute, from October 7, 2004 to November 19, 2004 under Prof. Krishna S Iyer.
2. Fellowship in Off Pump/ On-Pump CABG at Escorts Hospital and Research Institute, from 21/9 / 2004 to 21/11, 2004 under Dr. Naresh Trehan and his team members.
3. Fellowship in Advanced Adult Cardiac Surgery and Complex Congenital Cardiac Surgery from January 21, 2013 to February 4,2013 at Medanta: The Medicity, Gurgaon under Dr. Naresh Trehan and Dr. Anil Bhan, respectively.

4. Fellowship in Advanced Adult Cardiac Surgery and Complex Congenital Cardiac Surgery from January 16, 2015 to February 7, 2015 at Medanta: The Medicity, Gurgaon under Dr. Naresh Trehan and Dr. Anil Bhan, respectively.
5. Fellowship, Indian Association of Cardiovascular Thoracic Surgeons, India obtained during Annual Meeting, held at Chennai.

Observership

- Observership /Live Workshop on Tetralogy of Fallot, under Prof. Balram Airan, Head, Department of CTVS, AIIMS, New Delhi on 2nd-3rd February, 2013.
- Observership /Live Workshop on Aortic Aneurysms at AIIMS, New Delhi on 23-24th August, 2014 under Dr. Shiv K Chowdry.
- Observership /Live Workshop on Aortic Dissection and Aortic Root Surgery under Prof. Shiv K Chowdry on 11-13th March, 2016.
- Observership/Live Workshop in Complex Paediatric Cardiac Surgery at Fortis Escorts Heart Institute, New Delhi under Dr. Krishna Iyer from 25th -27 August, 2015.
- Advanced Observership Training on Minimally Invasive Cardiac Surgery (CABG & Valves) under Dr. Rajnesh Malhotra, Director Cardiac Surgery on 1st & 2nd July 2016 at Max Hospital Saket, New Delhi.
- Observership / Live Workshop on Minimally Invasive CABG on 2nd to 3rd August, 2019 under Prof. Shantanu Pande at SGPGI, Lucknow.
- Observership /Workshop during 4th Thailand Heart Valve Repair Summit on 19-21 November 2018 at Central Chest Institute, Bangkok, Thailand under Prof. Tawaseek.
- Radiofrequency Ablation in Varicosity of Venous System and Endovascular Stenting on 23rd-24th January 2016 at PGI, Chandigarh under Dr. Ajay Savlania, Head of Endovascular Surgery.
- Participated in Live Workshop on VATS on 20th Feb, 2016 during 62nd Annual Conference Indian Association of Cardiovascular Thoracic Surgeons, 2016 held on 18th-21st February, 2016 at SGPI Lukhnow, UP.
- Radiofrequency Ablation for Atrial Fibrillation during Concurrent Open Heart Surgery on 22nd January, 2021 under Dr. Yugal K Mishra, Director Cardiac Surgery, Manipal, Hospital Dwarika, New Delhi.
- Observership/ Workshop on Minimally Invasive Mitral Valve Surgery under the auspices of Society of Minimally Invasive Cardiovascular and Thoracic Surgeons, India on 24th and 25th September 2021 at Hotel Pullman, Aerocity, New Delhi.
- Observership in ECMO : Apollo Hospital ,on 30th and 2nd April, 2022 Chennai, Tamil Nadu under Dr. Madan Kumar, Head of ECMO Programme, Cardiac Transplant Department.

- Observership in ECMO: MGM, Healthcare 1, Chennai on 31st March and 1st April ,2022 under Prof. Suresh Rao KG and Dr.Bala Ram.

Professional experience

1. Cardiac procedures:

A) Closed Heart procedures:

- Mitral Commissurotomies.
- PDA ligation/Excision.
- Correction of Coarctation of aorta.
- Pericardiectomy

B) Open Heart procedures

1] Adult Cardiac Surgery like

- Valve replacements & Valve Repairs
- Cardiac Tumours
- RFA with Concomitant MV Surgery/Multivalvular surgery • CABG :On-Pump and Off-Pump • CABG with VSD repair.
- CABG with MV Repair /Replacement.
- CABG with LV Aneurysectomy
- CABG with Carotid Endarterectomy
- Aortic Dissection Surgery
- Aortic Root Surgery
- Aortic Arch Surgery
- Endovascular Surgery

2} Congenital Cardiac Surgery

A} Simple Congenital Cardiac surgery

- ASD,VSD, Co-arctation, PDA etc

B} Complex congenital Cardiac Surgery ,

- Tricuspid Artesia
- Pulmonary Artesia.
- Tetralogy of Fallot.
- DORV
- Single ventricle

2. Vascular procedures:

Abdominal Aneurysectomy
 Revascularisation for vascular injuries.
 Femoro-femoral cross over bypass
 Axillary-femoral bypass
 Renal vascular reconstruction/aorto renal bypass
 Carotid artery surgery: Carotid body tumour excision/

Carotid aneurysmectomy
Carotid Endarterectomy
Excision of AV malformations.
Revascularization for Berger's Disease
RFA for Varicosity
Embolectomies.

3. Pulmonary procedures :

Conservative resections
Lobectomies
Pneumonectomies
Carinal Surgery on CPB
Sleeve Resections
Decortications
Lung reduction surgery
VATS

4. Laryngo-tracheal Surgery : Tracheal Stenosis, Trauma, Malignancy ,Stenting etc

5. Esophageal procedures:

Transthoracic esophagectomy.
Transhiatal esophagectomy
Jejunal interposition
Colonic interposition.
Myotomy for Achalasia Cardia

6. Diaphragmatic procedures:

Hernia repairs.
Correction of diaphragmatic injuries.

7. Thoracic procedures (Extra -pulmonic)

Correction for Thoracic Outlet Syndrome.
Tumour excision and chest wall reconstruction.
Reconstruction for chest wall deformities.
• Sternal cleft • Pectus excavatum.
• Pectus carinatum.
Emergency Thoracic Surgery for Chest wall Trauma.

8. Emergency Vascular Surgery

9. Miscellaneous Surgical procedures:

- Correction of Renovascular Hypertension(Aorto- renal bypass)
- Omental transplantation for Berger's disease. • Collateral Bypass for Berger's Disease
- Carotid aneurysmectomy.

- Transthoracic tranphrenotomy for lung /liver hydatidosis
- Single stage bilateral minithoracotomy for pul. Hydatidosis.

10. Investigative Procedures:

- Rigid bronchoscopy • Fibroptic bronchoscopy.
- Esophagoscopy.
- Carotid Angiography.
- Peripheral angiography.

Contribution to Professional Growth of CardioVascular and Thoracic Surgery at SKIMS

- Performed first Quadruple and Successful CABG on Cardiopulmonary Bypass at SKIMS on 23rd May, 2005 and established routine ‘CABG Programme’ in the State of Jammu and Kashmir.
- Performed first Endovascular Repair and established the Programme for Aortic Dissections and Aortic Aneurysms at SKIMS in Jammu and Kashmir
- Performed First Ever Antiarrhythmic Surgical RFA with Concomitant MVR and established the Programme during 2022 at SKIMS.
- Performed First MICS for Congenital Acyanotic disease, MVR and AVR on Peripheral Cardiopulmonary Bypass at SKIMS during 2016 and established MICS for Mitral and Aortic Valve Surgery at SKIMS.
- Performed First Operation for Aortic Interruption without Cardiopulmonary Bypass.
- Performed first Trans-Atrial VSD closure at SKIMS and established the programme of advanced techniques for congenital cardiac surgery.
- Performed first Trans-Atrial/Trans-Pulmonary Total Correction of Tetralogy of Fallot at SKIMS.
- Performed First Arterial Switch Operation for Transposition of Great Vessels at SKIMS.
- Performed First and Successful Operation for Coronary Artery Disease and Post Myocardial Infarction Ventricular Septal Rupture and LV Aneurysm, at SKIMS.
- Performed First Pulmonary Valve Reconstruction for TOF with Severe Pulmonary Valve Dystrophy.
- Performed First Operation for Extensive and Ruptured Aortic Arch Aneurysm under Hypothermic Circulatory Arrest at SKIMS.
- Performed first Cardiac Operation entitled “Repair of Ruptured Aneurysm of Intervalvular Fibrosa with Double Valve Replacement” at SKIMS.
- Established Routine Abdominal Aortic Aneurysmal Surgery Programme at SKIMS.
- Established Programme for Complex Congenital Cardiac Surgery at SKIMS in Collaboration with both International Paediatric Cardiac Centres like Children’s Hospital Ormond Street, London and Children’s Hospital Leicester, England as well as National Level Cardiac Centres like AIIMS.
- Performed First Operation of Beating Heart Technique by “Warm Perfusion with Cross Clamp On”.
- Performed First Open Heart Surgery for Budd Chiari Syndrome at SKIMS.
- Performed first Carotid Endarterectomy for Ischemic Stroke at SKIMS and established the Programme.
- Performed first NIRS Guided Carotid Endarterectomy for Ischemic Stroke at SKIMS and established the Programme.
- Performed first Carotid Aneurysmectomy for Internal Carotid Artery Aneurysm.
- Performed First Therapeutic Femoral-Femoral Bypass at SKIMS and established routine Peripheral CPB.
- Established Approach of Single Stage Minimally Invasive Thoracotomy for Bilateral Pulmonary Hydatid disease.
- Established Radiofrequency Ablation Programme for Varicosity with RFG³ Ablator, at SKIMS.
- Established Minimally Invasive Approach of Transthoracic-Transphrenotomy for Concurrent Hydatid lung/liver at SKIMS.

- Performed First Ever Tracheal Stent for Tracheal Obstruction at SKIMS. Established Programme of Tracheolaryngeal Reconstruction at SKIMS.
- Established Single Stage Ministernotomy Approach for Mutisysyemic hydatid disease.
- Performed first Revascularization in Bilateral Renal Artery Stenosis on at SKIMS.
- Established Programme for Carotid Body Surgery at SKIMS.
- Established Programme of “Revascularization by Collateral Bypass without Amputation” in Crippling Peripheral Vascular Disease like Burger’s Disease at SKIMS.
- Accomplished First Ever Advanced Projects on Cancer Surgery of Esophagus and Lung “Entitled “Neo-Adjuvant Chemotherapy in Squamous Cell Carcinoma of Esophagus and Lung , at SKIMS which got published in top ranking indexed and international biomedical journals .

Contribution to Overall Growth of Specialty of Cardiovascular and Thoracic Surgery at SKIMS

Have been vigorously engaged in “Upgradation of CVTS” for last 10 years of Headship of the department doing everything possible to develop it in the interest of patient care. With the support from administration, all minimum requisite equipments for Cardiac Surgery like High End Echo Machine, Heart Lung Machines, IABP’S, Cell Savers, Coronary Flowmeter, Near Infrared Spectroscope for Carotid Surgery, ECMO, Infusion Pumps, and Ventilators have been procured by the undersigned during last 10 years. From professional point of view, I have been trying very hard to develop various patient care related programmes like CABG Programme, facilities for Neonatal /Paediatric Cardiac Surgery, VATS and Heart Failure- Transplant Programme. New dimensions have been added to the quantum and outcome of the surgical armamentarium. Aortic Aneurysmal and Dissection procedures are a matter of routine. Innovative techniques like Aortic root surgery, minimally invasive Cardiac surgery, Valvular repairs, Radiofrequency Ablations, Carotid Endarterectomy for Ischemic strokes, Complex CABG like CABG with Ventricular Septal rupture, CABG with MV Repair /Replacement are routine matters with excellent results. Quantum of Open Cardiac Surgery has gone up 7 times during last 10 years given the same space but improved expertise, gadgets and accountability. Overall outcome of Cardiac Surgery has dramatically improved with a success rate of 93-95%. CABG Programme and Paediatric Cardiac Surgery have been nicely developed, however Neonatal Cardiac Surgery requires proper ICCU Set up, in particular a separate Neonatal ICCU with enough qualified manpower to look after. Similarly, Heart Failure and Transplant Programme requires adequate / proper ICCU Space with significant and qualified manpower like Cardiac Anaesthesiologists, Intensivists, Technical and Nursing Staff, being the biggest limitation. In this context, proposals have been submitted to “Standing Finance Committee” through administration for creation of staff and ICCU space .

On Academic front, I have been running different Academic Programmes in the department like M.Ch Training Programme with an intake capacity of 5 seats per year. The undersigned has been also running B.SC Perfusionist Technology Programme with an Annual Intake capacity of 2 students per year and 6 candidates at a time. Students trained at our Centre, in particular Postdoctoral students having qualified M.Ch in CVTS and those who have qualified B.SC Perfusion Technology course, are currently working all over the globe. Many of our M.Ch passouts are working as faculty members at reputed Cardiac Centres of India , European and Western countries. Regular training programmes for faculty, resident doctors, nursing and technical staff is going on. Conferences, Workshops, Seminars, Symposiums and other routine programmes have been conducted both at State as National Level.

Contribution to Human Resource Development

1. Created various posts for Nursing and paramedical staff.
2. Deputed faculty for training to different Cardiac Centres outside Jammu and Kashmir.
3. Deputed ICCU Nurses to Escorts Heart Institute and Research Centre, New Delhi for Training.
4. Created Different Cadres for Technical Staff to Avoid their Saturation.
5. Created various posts For Perfusionists: Technicians , Technologists and Technical Officers for Perfusionists.

Development of Infrastructure :

- **Upgradation:** Upgraded the Department in terms of Latest and State of Art and High-end Gadgets like Heart Lung Machines, Ventilators, Invasive and Noninvasive Cardiac Monitors, Infusion Pumps, High-end Echocardiogram, Intraaortic Balloon Pumps , Antiarrhythmic Radiofrequency Ablator, Cell Separators, Extracorporeal Membrane Oxygenator (ECMO), Coronary Flowmeter, Near Infra-Red Spectroscope.
- **Creation of Cardiac ICCU;** Created Cardiac ICCU with 10 Beds with full-fledged equipment like Invasive Cardiac Monitors, Ventilators, Infusion Pumps, Intra-aortic Balloon Pumps, Extracorporeal Membrane Oxygenator, Cell Savers and Staff including Resident doctors, Technical and Nursing manpower etc
- **Procurement of Equipment during Headship from October 2012 to June,2021 (Time Bound : 10 years Period)**

S. N O	Equipment	Brand		Year	No
1	Defibrilators	Nihon Kohden , Japan		2012	3
2	Ventilators	1) Vella, USA	4	2013	10
		2) AirLiquid, France	4	2014	
		3) Servo-I, Maquet ,Germany	2	2016	
3	Invasive Cardiac Monitors	Mindray 9000, China (US, FDA, Approved)		2013	6
4	Non-Invasive Cardiac Monitors	Edan, China (US FDA, Approved)		2013	8
5	Heart Lung Machines	Maquet ,Germany :		2012	1
				2016	1
6	Open Cardiac Instruments for Pediatric Cardiac Surgery	Burger, Germany		2016	2 Sets

7	Open Cardiac Instruments for	Berger, Germany		20	2
	Neonatal Cardiac Surgery			16	S et s
8	Intraaortic Balloon Pump (IABP)	Datascope, USA	CS 300	20 16	1
			Cardiosave	20 18	1
9	Radiofrequency Ablator for Varicosity	Covedian-Medtronic , USA		20 16	1
10	High End Echocardiograph Machine:	EPIC 7, Philips , USA		20 18	1
11	Antiarrhythmic Radiofrequency Ablator	Medtronic , USA		20 19	1
12.	Extracorporeal Membrane Oxygenator (ECMO)	MAQUET, Germany		20 19	1
13.	Coronary Flowmeter	Medistim, Norway		20 19	1
14.	Near Infra-Red Spectroscope	Covedian-Medtronic , USA		20 19	1
15.	Cell Separators	Frasenius , France		20 20	2
16.	ECG Machines	Biocare , China (US-FDA Approved)		20 21	2
17.	Scrubbing Trolleys	Hitech, Pvt. Ltd (ISO, India Certified,)			1 0



High End Equipments Procured and Installed in the Department during Headship

Contribution to Research

International/National Publications

1. Minimally Invasive transthoracotomy –transphrenotomy for concurrent hepatic and pulmonary hydatid disease. G N Lone, M A Bhat, N Ali, A G Ahangar, A M Dar, I Sana. **British Journal of Surgery**, 2005; vol. 92. No. 6. 729-33: (Indexed in Indicus Medicus).
2. Re-inflation Pulmonary Edema Following Decompression of Massive Spontaneous Pneumothorax/ Pleural Effusion: A Rare but Avoidable Catastrophe. Ghulam Nabi Lone, Farooq Ah Ganie, Syed Wahid, Nadeem ul Nazar, Mehmood Ahmad Wani, Mohd Akbar Bhat and Haroon Naqshi. **Annals of Thoracic Surgery Research**. May, 2019. Vol. 1, Issue:1 (Article 1002). Pages 1-5.
3. Role of Preoperative (Neoadjuvant) Chemotherapy in Squamous Cell Carcinoma of Esophagus in Kashmir, A Cancer Belt: A Pilot Study. Lone GN, Sheikh AA, Sheikh ZA, Baba KM, Qurieshi MA, Mufti GN, Naikoo ZA, Syed AA, Ahangar AG, Lone RA, Sharma ML, Singh S, Bhat MA, Dar AM. **Asian Pacific Journal of Cancer Prevention**. Vol. 12, 2011; 465-709 (Indexed in Indicus Medicus).
4. Single stage bilateral minimally invasive approach for pulmonary hydatid disease: A new technique. Ghulam Nabi Lone, Mohd Akbar Bhat, Noor Ali, Adil Bashir, Showkat Ahmad Garcoo. **American Journal of Thoracic and Cardiovascular Surgery**. Nov, 2002: Vol. 124, No. 5: 1021-1024. (Indexed in Indicus Medicus).

5. Effect on Natural Course of Pulmonary Vascular Diseases in Isolated Atrial Septal Defect at High Altitude: Farooq Ahmad Ganie, GH. Nabi Lone, Khursheed A Khan, Rumana H. Makhdoomi, Hafeezulla Lone, Mohd Lateef Wani, Imran Hafeez, Mohd Arif Kelam, and Masaratul-gani. **British Biomedical Bulletin**, 2014 ; Vol. 2, No: 1. Pages: 58-65.
6. Use of Pedicled Omentum in Esophageogastric Anastomosis for prevention of Anastomotic Leak. M Akbar Bhat , M Ashraf Dar, Ghulam Nabi Lone, A Majid Dar. *Annals of Thoracic Surgery* 2006; 82:1857-1862(Indexed in Indicus Medicus).
7. Profile of Missile Induced Cardiovascular Injuries in Kashmir, India. Wani ML, Ahangar AG, Lone G N, Hakeem ZA, Dar AM, Lone RA, Bhat MA, Singh S, Irshad I. **Jr Emerg Trauma Shock**. April ,2011, Vol. 4(2): Pages: 173-177.
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95. LRFN2 Gene Variant RS 2494938 Provides Susceptibility to Esophageal cancer in the Population of Jammu and Kashmir. Ruchi Shah, Varun Sharma, Hemender Singh, Indu Sharma, Gulzar Ahmed Bhat , Idrees Ayoub Shah1 , Beenish Iqbal , Rumisa Rafiq , Najma Nissa , Mansha Muzaffar , Malik Tariq Rasool , Ghulam Nabi Lone , Sandeep Kaul , Mohd Maqbool Lone , Ekta Rai, Nazir Ahmed Dar , Swarkar Sharma. **Journal of Cancer Research and Therapeutics - Volume 16 - Supplement Issue 1 – 2020, Pages 159-161.**
96. Mediastinal Tumors: Clinicopathological Analysis and Surgical Management: Ten Year Study from A Tertiary Care Centre. Abid Manzoor Wani, Nasir Ud Din Wani, Mir Mudasir Sidiq, Abdul Gani Ahangar, Ghulam Nabi Lone and Parveen Shah. **International Journal of Advanced Research (IJAR); December 2016, Vol. 4(Issue :12), Pages:1974-1976.**
97. Management of Post-operative Suction Pneumothorax after Transhiatal Esophago- gastrectomy: Farooq Ahmad Ganie, Gh Nabi lone, Hakeem Zubair Ashraf, Syed Wahid. **IP Journal of Surgery and Allied Sciences 2021;3(1): Pages: 1–4.**
98. Traumatic Pneumomediastinum: A risk factor for the development of Pneumopericardium: Farooq Ahmad Ganie, Hafeez Ulla Lone, Gh Nabi Lone, Shyam Singh, Abdual Majeed Dar, Mohd Akbar Bhat, Mohd Lateef Wanie, Syeed Wahid, Masaratul Gani. **International Journal of Students Research | Jan-Jun 2013 | Vol. 3 | Issue: 1; Pages:7-10.**
99. Role of tranexamic acid in reducing perioperative blood loss in transthoracic esophagectomy Farooq Ahmad Ganie ,Syed Mohsin Manzoor , Masarat-ul Gani , Mohd Yaqoob Khan , G N lone , Mudasir Hamid Bhat , Iqra Nazir Naqash. **IMC J Med Sci 2022; 16(1): 003 : Page 1-5.**
100. Clinical profile, surgical management and outcome of bronchial carcinoids : A Single Centre experience. Farooq Ahmad Ganie, Shahbaz Bashir Dar, Masarat-ul Gani, Hakeem Zubair Ashraf, Ghulam Nabi Lone, Mudasir Hamid Bhat, Iqra Nazir Naqash . **IMC J Med Sci. 2023;17(2):003.**
[https:// doi.org/10.55010/imc_jms.17.013](https://doi.org/10.55010/imc_jms.17.013)
101. Role of preoperative chemotherapy on recurrence in operated pulmonary hydatid cysts. Farooq Ahma Ganie, Mohd Yaqoob Khan, Syed Wahid, G N Lone, Nadeem-ul Nazir Kawoosa, Hakeem Zubair Ashraf, Abdual Majeed dar, Mohd Akbar Bhat. **Ann Cardiothorac Surg 2022 : Vol. 5 , No: 5.(Page 1-2).**

Publications under Submission

1. Warm Perfusion Surgery on Cross Clamp: A Novel Technique of Myocardial Preservation.
2. Radiofrequency Ablation during Open Cardiac Surgery. Our Initial Experience at SKIMS.

3. Staged Surgery in VSD with Severe Pulmonary Hypertension: Surgical Outcome.
4. Abdominal Aortic Aneurysms. Open Surgical Technique and its Current relevance.
5. Trans Cervical Excision of Cervical Ribs. Clinical Profile and Outcome.
6. Transhiatal Esophageo-gastrectomy: Single Surgeon Experience with 800 cases.
7. Lv Remodeling after Mitral Valve Replacement. A Prospective Study.
8. Pulmonary Valve Reconstruction in Tetralogy of Fallot. Our Experience
9. Valve Implantation by Hoist Technique with reference to Paravalvular Leaks. Review of Literature.
10. Graft Patency in Off Pump and On Pump CABG: a Comparative Analysis.
11. Post Myocardial Infarction Ventricular Septal Rupture: Our Experience with Surgical Intervention.
12. Carotid Artery Stenosis and Outcome of Open Carotid Artery Endarterectomy.
13. Minimally Invasive Cardiac Surgery on Peripheral Bypass. Our Experience at SKIMS.
14. Burgers disease and its Surgical Management with particular reference to Tibial Arterial Collateral Bypass.
15. Comparative Analysis of Ischemic Markers in ASD Repair on Arrested Heart and Beating Heart on Warm Perfusion.
16. Minimally Invasive Cardiac Surgery: An initial experience at SKIMS, Kashmir.
17. Single Stage Minimally Invasive of Ministernolaparotomy (MISLP) for Abdomino-Thoracic Hydatidosis: An Innovative technique by a Single Surgeon for a Major Public Health Problem in Kashmir.
18. Betablockers as Mainstay Treatment Modality for Arrhythmias after Open Cardiac Surgery
19. An experience with Cardiac tumors at SKIMS, Srinagar
20. Post-dialysis Pseudo aneurysms of inferior epigastric artery
21. Primary Aneurysms of Cervical Internal Carotid artery and their management.
22. Great vessel injuries and their management.
23. Factor VII deficiency and coronary artery disease – A familial entity.
24. Combined Lung Cancers – An experience at SKIMS, Soura, Srinagar.
25. Omental Transplantation in management of Burger's disease. A prospective Study.
26. Primary Non-Hodgkin's Lymphoma of lung; A case report.
27. Primary Fibrosarcoma of Lung. A rare entity.
28. Spontaneous Extrusion of Intrathoracic hydatid cysts.
29. Malignant thymoma masquerading as Empyema thoracic. A Case Report.
30. Post-thoracostomy Negative Pressure Pulmonary Edema:
31. Tracheal stenting: An Indigenous technique.
32. Pulmonary Artery Aneurysm secondary to excision of pulmonary hydatid disease.

Latest Research Projects Undertaken

1. Radiofrequency Ablation in Atrial Fibrillation during Concomitant Open Cardiac Surgery. Initial Experience at SKIMS.
2. Minimally Invasive Surgery in Congenital and Valvular Lesions .
3. Pulmonary hypertension in Atrial Septal defect of Secundum type in patients from high altitude in Kashmir.
4. Staged Surgery in VSD and Severe Pulmonary Hypertension. Is it still applicable?
5. Surgical management of Multisystem Hydatid disease: Scope of Single Stage Ministernolaparotomy: A Prospective study by a Single Surgeon.
6. Surgical excision as Primary Modality of treatment for Small Cell Carcinoma of Lung: A prospective study.
7. Long term patency in on-pump V/S off pump CABG: A prospective study.

Reviewer of Journals

1. Annals of Thoracic Surgery and Research

2. World Journal of Cardiovascular and Thoracic Surgery.
3. Lung India Reviewer for Journals
4. Asian Journal of Case Reports in Surgery
5. BMJ Case Reports
6. Bahhrain Medical Bulletin

Member of International Scientific Bodies

- Associate Member of American College of Cardiology.
- Editorial Member, World Journal of Cardiology.
- Editorial Member, Cardiothoracic Surgery

Fellow /Member of International /National Scientific Associations / Bodies

- Fellow, Indian Association of Cardiothoracic and Vascular Surgeons (IACTS, India) • Life Member, Society of Minimally Invasive Cardiothoracic and Vascular Surgeons, India.
- Life Member, World Society of Cardiothoracic and Vascular Surgeons (WSCTS) .
- Life Member of Asian Cardiothoracic and Vascular Surgeons.
- Life Member of Vascular Surgeons of India.

Conferences Attended and Abstracts Published

A) International Conferences

Guest Lectures Invited /Delivered during International Conferences

- Invited as a Guest Speaker in 18th World Congress of World Society of Cardiovascular and Thoracic Surgeons, at Athens, Greece , 2008.
- Delivered a lecture entitled “Current Scenario in multifocal thoracic and abdominothoracic hydatid disease. A surgical challenge and relevance of Ministernotomy as a single stage approach to the management”. **Abstracted in Heart Surgery Forum**; Vol 11, Supplement 1, 2008, S-135 (Indexed in Indicus Medicus).
- Delivered another lecture entitled “Role of neoadjuvant chemotherapy in management of squamous cell carcinoma esophagus. A prospective randomized controlled trial: Experience from Kashmir. A cancer belt”.. **Abstracted in Heart Surgery Forum**. Vol 11, Spplement 1, 2008, S-155-56 .
- Invited as “Guest speaker” in 15th World Congress of International Association of Surgeons and Gastroenterologists (IASG) in Prague, Czech Republic in September, 2005.
- Invited as “Guest speaker” in 18th World Congress of Cardio-Thoracic Surgeons, Greece, 2008
- Invited as a Guest speaker by 20th World Congress of Cardio-Thoracic Surgeons, Chennai, India 2010.
- Invited Guest speaker to 42nd World Congress of Surgery of International Society, Canada, 2007.
- Invited Guest speaker for 16th Annual meeting of Asian Society of Cardiovascular Surgery, 2008
- Invited Guest speaker for 1st Central European Congress of Surgery, 2008.
- Invited as “Guest Speaker” in RTTC,2009 on at Shanghai, China.
- International Conference & Exhibition on Surgery & Transplantation" (Surgery-2012) on November 26-28, 2012, held at Hilton San Antonio Airport, USA by OMICS Group Conferences.
- Invited for 3rd Annual International Congress of Cardiology , Beijing China.

- Invited for 3rd International Conference (Cardiovascular 2018) on Cardiovascular Medicine and Cardiac Surgery on July 5-6, 2018 at Berlin, Germany.
- Invited for 7th World Heart Congress, August 19-20, 2019 | Vienna, Austria.
- Invited for 2nd European Conference on Controversies in Diabetic Foot Management on 2-3 April 2020 in Berlin, Germany.
- Invited for Aortic Live 2014 “Transcontinental Live Broadcasting “, on September, 11th– 13th , 2014 at West German Heart Center Essen, Berlin ,Germany

National Level Conferences Attended and Abstracts Published

4. Surgical management of Mediastinal germ cell tumors- Our experience: 43rd Annual conference of Indian Association of cardiovascular- thoracic surgeons. February 20-23 1997 at Ooty.
5. Repair of parachute mitral valve with multiple ventricular septal defects: 43rd Annual conference of Indian Association of cardiovascular- thoracic surgeons. February 20-23 1997 at Ooty.
6. Prosthetic valve endocarditis and its management: Our experience at SKIMS, Srinagar, Kashmir. 24th April, 1999.
7. Single-stage minimally invasive approach of anterior minithoracotomy for bilateral pulmonary hydatidosis: 9th Postgraduate research programme. Millennium presentation, 22nd-23rd November, 2000 at SKIMS, Soura Srinagar.
8. 10 years experience of esophagogastrectomy in cancer esophagus: 47th Annual conference of the Indian Association of cardiovascular- thoracic surgeons. 15-18th February, 2001. Science city, Calcutta.
9. Single-stage minimally invasive approach of anterior minithoracotomy for bilateral pulmonary hydatidosis - An alternative technique: 47th Annual conference of the Indian Association of cardiovascular- thoracic surgeons. 15-18th February, 2001. Science city, Calcutta.
10. Commonest cardiac tumor: 49th Annual conference of the Indian Association of cardiovascular- thoracic surgeons. 17-20th February, 2003. Hyderabad
11. Bronchogenic carcinoma below 40 years of age: 49th Annual conference of the Indian Association of cardiovascular- thoracic surgeons. 17-20th February, 2003. Hyderabad.
12. Pectus excavatum and its correction: Our initial experience: North Zone Association of plastic surgeons of India. 4th October, 2003. SKIMS, Srinagar, Kashmir.
13. Surgical management of Carotid Body Tumor: Video Presentation. NOZCON, 2006 at SKIMS, Srinagar on 20th June, 2006
14. Current Scenario in simultaneous management of complicated Liver and bilateral Lung Hydatid Disease. NOZCON, 2006, at SKIMS Srinagar on 20th June, 2006
15. Excision of Sternal tumors and use of free rib grafts. 53rd Annual conference of the Indian Association of cardiovascular-thoracic surgeons. 9th-11th February 2007, Jaipur.

16. Atrial myxomas. 54th Annual conference of the Indian Association of cardiovascular-thoracic surgeons, 21st -24th February 2008 Pune, published in Indian Jr of Thoracic and Cardiovascular Surgery, March 2008.
17. Minimally invasive transthoracotomy-transphrenotomy for concurrent hepatic and pulmonary hydatid disease. 54th Annual conference of the Indian Association of cardiovascular-thoracic surgeons, 21st -24th February 2008 Pune, published in Indian Jr of Thoracic and Cardiovascular Surgery, March 2008.
18. Role of Neoadjuvant chemotherapy in squamous cell carcinoma esophagus, presented during 54th Annual conference of Indian Association of cardiovascular-thoracic surgeons, 21st -24th February 2008 Pune, published in Indian Jr of Thoracic and Cardiovascular Surgery, March 2008.
19. Role of Neoadjuvant chemotherapy in non-small carcinoma of lung. 55th CT CON 2009 of IACTS, published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009
20. Safety and efficacy of ASD Repair on beating heart. 55th CT CON 2009 of IACTS, published in Indian Journal of Cardiovascular and Thoracic Surgery,
21. Impacted foreign bodies of tracheobronchial tree. 55th CT CON 2009 of IACTS, published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009
22. Clinical profile of thymomas and their surgical outcome. 55th CT CON 2009 of IACTS, published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009.
23. Prospective and retrospective study of management of spontaneous pneumothorax in Kashmir. 55th CT CON 2009 of IACTS, published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009.
24. Double aortic arch presenting in octogenarian, masquerading chronic bronchial asthma: Poster presentation during 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009
25. Missile cardiac injuries. Review of 16 years experience. 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009
26. Experience with transthoracic-transhiatal esophagectomy, 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009
27. Effect of aortic valve replacement on left ventricular function and valve gradients. 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009
28. Study of early atrial fibrillation after rheumatic valvular replacement. 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009.
29. Open heart surgery through minimally invasive approach. 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009.
30. Outcome of concomitant aortic and mitral valve replacement at SKIMS-A 10 year study. 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009
31. Missile vascular injuries. 19 year experience. 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009.

32. Vascular injuries after bear attacks. Clinical profile. 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009.
33. Missile diaphragmatic injuries. Our experience. 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009.
34. Current Scenario in multifocal thoracic and abdomino-thoracic hydatid disease. A Surgical challenge and relevance of Ministernotomy as a single stage approach to the management. 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009.
35. Aortic hydatid disease presenting as thromboembolism. 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009.
36. Scope of Neoadjuvant chemotherapy in non-small cell carcinoma lung, presented in 55th CT CON 2009 of IACTS and published in Indian Journal of Cardiovascular and Thoracic Surgery, March, 2009.
37. Participated Fifth Biennial Conference of the Indian Society for Study of Lung Cancer NALCCON 2013 April 21-22, 2013 Sher-i- Kashmir Institute of Medical Sciences, Srinagar.
38. Participated 60th Annual Conference of IACTS Indian Association of cardiovascular and Thoracic Surgeons 20-23 February 2014, The Leela, Kovalam, Kerala, India.
39. Organized 18th Postgraduate Research Presentation Programme, Sher-I-Kashmir Institute of Medical Sciences, Srinagar on April 23-25th 2014 at SKIMS. The faculty and Resident doctors /Post doctoral Students presented a number of scientific papers during the session.
40. Participated in 19th Postgraduate Research Presentation Programme Sher-I-Kashmir Institute of Medical Sciences, Srinagar on 27th -29th March 2015.
41. Participated 2nd Foundation Day Workshop Department of Cardiovascular and Thoracic Surgery on 21-22nd March, 2015 at Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow.
42. Participated in 61st Annual Conference of the Indian Association of Cardiovascular Thoracic Surgeons on 19th-22nd February, 2015 at Hyderabad International Convention Centre. Hyderabad. India.
43. Participated in 62nd Annual Conference of Indian Association of Cardiovascular Thoracic Surgeons, IACTS CON, 2016 on 18th-21st February, 2016 at SGPI Lukhnow, UP. Chaired a Scientific session and participated in a number of Workshops.
44. Invited and Participated as a Guest Speaker in International Coronary Congress, 2016 on November 11-13, 2016 at Hotel Taj Palace New Delhi, India in association with IACTS & APSIC. Chaired a Scientific Session during the Conference.
45. Participated in BRONCOCON 2016, 21st National Conference of Bronchology & Interventional Pulmonology under the Auspices of Indian Association for Bronchology Kashmir on April 28th, 2016 at Sarovar Portico, Srinagar. Chaired a number of Guest Lectures during the Conference.
46. Invited and Participated in Inaugural Conference and Workshop of Society of Minimally Invasive Cardiovascular and Thoracic Surgeons of India (SMICTSI) on 6th-7th August, 2016. Chaired a Scientific Session on Complex Congenital Cardiac Surgery during the event.

47. Invited for 2nd Annual Conference of Society of Minimally Invasive Cardiovascular and Thoracic Surgeons of India September 9-10, 2017 Hotel Marriott Jaipur.
48. Invited and Participated in Third National Annual Update on Pulmonary, Critical Care and Sleep Medicine Conference, held at Sarovar Portico, Srinagar on 20th & 21st May 2017.
49. Participated and Chaired a number of Scientific Sessions during 21st Postgraduate Research Presentation Programme SKIMS, Srinagar on 5-6th May 2017.
47. Participated in 13th North Zone Association of Plastic Surgeons of India Conference, Organized by department of Plastic & Reconstructive Surgery, SKIMS Srinagar on 14th -15th October 2017.
48. Chaired a number of Scientific Sessions during 22nd Post Graduate Research Presentation Programme – 2018 April, 27th & 28th 2018 at SKIMS.
49. Participated in 64th Annual Conference of Indian Association of Cardiovascular and Thoracic Surgeons 1-4 February 2018 Novotel Varum Beach, Visakhapatnam. Delivered more than 5 Guest lectures and supervised Postdoctoral Students during the event.
50. Invited and participated in 4th National Annual Update on Pulmonary, Critical care and sleep Medicine Conference held on 11th & 12th May 2018 at Sarovar Portico, Srinagar.
51. Invited and Participated in 25th Annual Conference of Vascular Society of India (Silver Jubilee Conference of Vascular Society of India, VSICON 2018) held on 3rd -6th October 2018 at Jammu.
52. Participated as a Chairperson in 23rd Postgraduate research Presentation Programme (PGRPP) on 12th June 2019 (Wednesday) at SKICC, Srinagar.
53. Organized North Zone Association of Cardiothoracic and Vascular Surgeons of India (ANZCTVS 2019) on 15th -16th June, 2019 at SKICC, Srinagar. Multiple Scientific Sessions of Oral Presentations, Panel discussions and 4 Sessions of Workshops were conducted during 2 days event. Reputed Guest faculty of the country from Cardiovascular Surgery, Cardiac Anesthesiology, Cardiology, Perfusionist Specialists and Nursing Staff participated. Research Papers Presented and Abstracted:
 - Rupture of Pseudo aneurysm of Mitral-Aortic Intervalvular Fibrosa: A Rare Surgical Entity with diagnostic dilemma.
 - Post MI VSD and LV aneurysm: Successful Repair.
 - Outcome after Staged Surgical Closure of Ventricular Septal Defect with Severe Pulmonary Artery Hypertension.
 - Negative Pressure Pulmonary Edema: A Fatal but Reversible Thoracic Catastrophe.
 - Carotid Endarterectomy in Ischemic Strokes. When to do?
 - Open Technique of Aneurysmectomy in Infrarenal Abdominal Aortic Aneurysm: Current Scope
 - Warm perfusion: A Novel mode of myocardial preservation in Atrial Septal Defects.
 - Surgical Management of Embolized Cardiac Devices as an Emergency: Experience at SKIMS, Srinagar, Kashmir.
54. Participated in 27th ASCVTS & 65th IACTSCON 21- 24th February, 2019 held at Hotel ITC Grand Chola Chennai. Chaired a number of Scientific Sessions and delivered a number of lectures during the Conference. **Papers Presented and Abstracted:**

- Post-traumatic Severe tricuspid regurgitation and rupture of interatrial septum: A Rare entity.
 - Interruption of Aorta with delayed presentation and its management without Cardiopulmonary Bypass: A safe technique.
 - Left Ventricular Reverse Remodeling After Mitral Valve Replacement in Mitral Regurgitation.
55. Participated in 5th National Update on Pulmonary, Sleep and critical Care Medicine Srinagar held on 21- 22 June, 2019 at Srinagar. Chaired Scientific session during the event.
 56. Invited / Participated in IACTS Technocollege Cardiac CME-2019 Rohtak-Delhi NCR, on 25th – 26th May 2019, Shusruta Auditorium, PGIMS Rohtak.
 57. Participated in Midterm Meeting of Society for Heart Failure and transplantation (SFHFT) on 24th March 2019 at Pullman, Aerocity New Delhi.
 58. Participated in 65th IACTSCON 2019 and 27th ASCVTS & 21st -24th February 2019 ITC Grand Chola, Chennai. Delivered a number of lectures on various aspects of Cardiovascular and Thoracic Surgery and chaired a Scientific Session during the event.
 59. Participated in 66th Annual Conference of Indian Association of Cardiovascular-Thoracic Surgeons, IACTS in association with Australian & New Zealand Society of Cardiac & Thoracic Surgeons (ANZSCTS) on 6th -9th Feb,2020 at Ahmadabad, Gujrat. Chaired a number of Sessions and Presented many scientific papers during the event.
 60. Invited and participated in 5th Annual Conference of Society of Minimally Invasive Cardiovascular and Thoracic Surgeons of India on 23rd-25th Sept, 2021 at Hotel Pullman, Aerocity, New Delhi.
 61. Invited as Guest Faculty and participated in 6th Endovascular Live Conference organized by Prof. V S Bedi , Head, Department of Vascular Surgery, Sir Ganga Ram Hospital Hospital, New Delhi on 11th-13th August ,2022 at Hotel Grand ,New Delhi.
 62. Invited as Guest Faculty in Indian Complex Arrhythmia Summit ICAS,2023 on 31st March - 2nd April, 2023, organized by Fortis Group of Hospitals, Gurgaon.
 63. Participated as Guest Faculty in 7th Endovascular Live Conference organized by Prof. V S Bedi , Head, Department of Vascular Surgery, Sir Ganga Ram Hospital Hospital, New Delhi on 10th-12th August ,2023 at Hotel Andaz , Aerocity , New Delhi.

Participation in Webinars/Virtual Conferences during Covid-19

1. LVAD in End Stage Heart Failure. Speaker: Dr. K.R.Balakrishnan, Director of Heart and Lung Transplant Institute , Chennai held at 4.30-5.30PM on May 1st 2020.
2. Virtual Conference on Transcatheter Aortic Valve Implantation , held at 5.0 pm -7.30 pm on May 23rd, 2020 conducted by combined Medtronic, USA/India . Speakers: Eberhard Grube ,Susheel Kodall,Vinayak Bapat and Ganeesh M AND Sai Satish.

3. Understanding INTERMACS and Guidelines for the Treatment of Advanced Heart Failure , conducted AT 5.0-6.0 PM on May 29, 2020 by Medtronic India. Speaker: Dr. Kewal Krishan, Director Heart Transplant and VADS, Max Superspeciality Hospital, Saket, New Delhi.
4. How to Learn Minimally Invasive Cardiac Surgery , conducted at 6.0-7pm on June, 25, 2020 by Medtronic India. Speaker: Dr. Rajnesh Malhotra, Director Cardiac Surgery, Max Superspeciality Hospital, Saket, New Delhi.
5. Repair Boot Camp : Mitral and Tricuspid Valve Repair ; conducted by Medtronic India at 6.30-8.0 pm on June 27th, 2020. Speakers: Dr. Prasana Simha, Dr. Priyanka Sinha and others.
6. MITTR CONCLAVE: Part I, on Mitral and Tricuspid Repairs, conducted by Medtronic India at 7.0pm on Sept 4, 2020. Guest Faculty: Dr. Bhagwankoirala, MCVTC Hospital, Nepal and Dr. Yugal K Mishra, Director, Cardiac Surgery, Manipal Hospital, New Delhi.
7. Radiofrequency Ablation; Latest Updates & Novel Approach, conducted by Medtronic India at 4.30 pm on Sept, 2020. Guest faculty: Dr. Ganesh Krishnan Iyer, Lead Consultant and HOD, CTVS, Aster DM Healthcare Groups.
8. MITTR CONCLAVE: Part II, on Mitral and Tricuspid Repairs, conducted by Medtronic India at 7.0pm -9 pm on 30th Oct, 2020. Guest Faculty: Dr. Bhagwankoirala , MCVTC Hospital , Nepal and Dr. Yugal K Mishra, Director , Cardiac Surgery , Manipal Hospital, New Delhi.
9. Virtual Conference on “Learn MICS CABG with Experts” conducted by Medtronic, India at 7PM on 16th January, 2021. Guest Speakers: Dr. Shantanu Pande, Dr. SK Agarwal and Dr. M M. Yousf.
10. Learn MICS CABG with Experts (Tips & Tricks of MICS CABG), held by Medtronic, India at 7.0 PM to 8.30PM on 16th Jan, 2021. Guest Speakers: Dr. Shantanu Pande, Dr. SK Agarwal and Dr. M M Yousf.
11. Current Surgical Strategies in Acute Type A Dissection of Aorta, Conducted by Medtronic India at 7.0PM to 8.30 PM on Sept, 4th, 2021. Guest faculty: Dr. Z S Meherwal, Dr. Sushan Mukopadhyay, Dr. Jayakumar.
12. Cardiac Connect: Rheumatic Heart Disease and Mitral Valve conducted by Medtronic Malaysia/ India at 5.30pm -7.30 pm on Oct 6, 2021. Guest Faculty: Dr. Jeffrey Jaswent Dillon (Malaysia), Dr. Taweesak (Thailand), Dr. Amit Chandra (India).



Prof. G.N. Lone ,

&

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