

DEPARTMENT OF ANAESTHESIA & INTENSIVE CARE, GOVERNMENT MEDICAL COLLEGE, KATHUA

INTRODUCTION ABOUT THE DEPARTMENT

➤ The department of **Anaesthesia**, Government Medical College, Kathua has been recently established on April, 2019 under the visionary leadership of Professor and Head, Dr. Sanjay Kumar Kalsotra and insightful mentorship of Associate Professor, Dr. Rajesh Angral. It also includes Dr. Ashufta Rasool Qazi (Assistant Professor), Dr. Sandeepika Dogra (Assistant Professor), Dr. Nahila Mahajan (Assistant Professor), Dr. Som Nath Bassan (Consultant), Dr. Sanjeev Bharti (Consultant) as an Competent Faculty members. Our Senior Residents Dr. Seema Sambyal, Dr. Shagufta Firdous, Dr. Aleesha Gupta and Dr. Mushtaq Ahmed are strong pillars of our department making it possible to provide anaesthesia services 24X7 to the hospital effortlessly.

OUR DEPARTMENT HAS BEEN ACTIVELY PROVIDING SERVICES CARE TO:-

- General Surgery patients
- Paediatric Surgeries
- Obstetric and Gynaecological Surgeries
- Orthopaedic Surgery
- ENT Surgeries
- Urology
- Anaesthesia in High risk patients
- ➤ Resuscitation calls from Emergency & different departments of the hospital.
- > Central, Blockade including SA, EA & SEA Blocks
- Monitored Anaesthesia Care

- ➤ In addition, the department is involved in the management of post operative pain, acute and chronic pain syndromes.
- ➤ The department also has 5 bedded ICU with high end Ventilators and monitors, syringe pumps, portable X-rays unit and other equipments to manage severely sick and injured patients. Presently, it is working as a COVID ICU and critically ill COVID patients are being managed there.

VISION

- 1) To become a state of art learning centre for undergraduates and multidisciplinary research centre for Faculty, residents and scholars.
- 2) Up gradation of Operation theatre complex for all the surgical branches for 500 beds.
- 3) Upgrading of 5 bedded ICU to 8 to 10 bedded ICU.
- 4) Up gradation of Oxygen Manifold to self generating Oxygen plant.
- 5) Starting DNB course
- 6) Establishment of Pain clinic.
- 7) Providing BLS courses for doctors and Paramedical staff.
- 8) Starting up of Labour Analgesia facilities.
- 9) Teaching programmes for Medical graduates.
- 10) Conducting Seminar's, CME's and workshops on regular basis.

CORE VALUES OF THE DEPARTMENT

➤ The core value of our department is **"Patient care and safety"** as we believe it is the fundamental right of every patient.

GENERAL INTRODUCTION OF FACULTY

Name: Dr Sanjay Kumar Kalsotra

Designation: Professor & HOD, Department of Anaesthesia

Contact: 9419188311, 7780921598 E-Mail: sanjaykalsotra@gmail.com

RESEARCH PUBLICATIONS: -

- 1. A COMPARATIVE STUDY OF CLASSICAL BLIND ANATOMICAL LANDMARK TECHNIQE OF SUBCLAVAN VENOUS CANNULATION WITH ULTRASOUND GUIDED TECHNIQUE WITH RESPECT TO ACCESS TIME AND SUCCESS RATE(International journal of Recent Trends in Science and Technology June 2016;19(2).
- 2. MINIMUM EFFECTIVE DOSE OF OXYTOCIN TO ACHIEVE ADEQUATE UTERINE TONE: A RANDOMIZED DOUBLE BLIND STUDY (journalijri.com Vol. 2, Issue, 6 pp. 379-382, June, 2016).
- 3. COMPARISON OF THE EFFECTS OF EPIDURAL 0.5% BUPIVACAINE AND 0.5% LEVOBUPIVACAINE ADMINISTRATION WITHOUT ADJUVANT MEDICATION ON ANAESTHASIA QUALITY, SIDE EFFECT INCIDENCE AND ANALGESIA REQUIREMENT TIMES IN ELECTIVELY OPERATED CASES ON HIP AND LOWER EXTREMITY(jkscience.org Vol. 19 NO. 1, Jan- March 2017)
- 4. INTRA PERITONEAL INSTALLATION OF ROPIVACAINE COMPARED TO ROPIVACAINE PLUS TRAMADOL AND ROPIVACAINE PLUS DEXMEDETOMIDINE FOR ANALGESIC EFFICACY IN LAPAROSCOPIC CHOLECYSTECTOMY(JMSCR Volume 07 Issue 01 January 2019).
- 5. EFFECT OF DEXMEDETOMIDINE AS AN ADJUVANT TO CAUDAL ROPIVACAINE FOR POSTOPERATIVE ANALGESIA IN PAEDIATRIC PATIENTS UNDERGOING SUBUMBLICAL SURGERY (Accepted in jkscience.org).

TRAINING AND WORKSHOP:

- 1) Revised Basic Course Workshop & AETCOM February, 24-27, 2020.
- 2) Curriculum implementation support programme (CISP), 2-3 July, 2020.

CONFERENCES AND WORKSHOPS:

- 1) WORKSHOP ON RESEARCH METHODOLOGY IN SPM DEPARTMENT GMC SRINAGAR FROM 06 TO 08 DECEMBER 2016.
- 2) 6TH POSTGRADUATE THESIS PRESENTATION OF GMC SRINAGAR 15-16 MARCH 2017.

- 3) 2ND J&K MEDICAL SCIENCE CONGRESS SRINAGAR 2017.
- 4) CME GMC SRINAGAR 18TH OF NOVEMBER 2017.
- 5) 2ND ANNUAL NEUROCRITICAL CARE UPDATE 2018, GURUGRAM, HARYANA 22-24 MARCH 2018.
- 6) CME MECHANICAL VENTILATION: RECENT ADVANCES GMC SRINAGAR 12 MAY, 2018.
- 7) INTERNATIONAL CONFERENCE & CEDAVERIC WORKSHOP ON "BASICS FOR ADVANCED APPLICATIONS" JAMMU 28-30 SEPTEMBER 2018.

Name: Dr Rajesh Angral

Designation: Associate Professor

Department of Anaesthesia

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PUBLICATIONS (ORIGINAL ARTICLES)

S. No.	Topic	Name of Journal	Name of Authors
1.	Routine Chemoprophylaxis is really needed for deep vein thrombosis in rural Indian patients: A Prospective Study	British Journal of Anaesthesia 10 th March 2010	Dr. Arun Kumar Gupta, Dr. Rajesh Angral, Dr. Seema Lachala, Dr. Anjali Mehta et. al.
2.	Tramadol and postoperative shivering in patients undergoing open and Laparoscopic cholecystectomy undergeneral anaesthesia.	Southern African Journal of Anaesthesia and Analgesia 2012:vol 18(2);111- 114.	Dr. Angral R (Corresponding Author), Dr. Wani AA, Dr. Kapoor BB.
3.	Incidence of deep vein thrombosis and justification of chemoprophylaxis in Indian patients: A prospective study.	Bangladesh Medical Research Council Bulletin 2012: Vol 38(2): 67-71.	Dr. Angral R (Corresponding Author), Dr. Islam MS Dr. Kudan S.
4.	Comparative evaluation of Gabapentine, Clonidine and combination of both the drugs to attenuate the pressor response to direct laryngoscopy and intubation.	The Internet Journal of Anesthesiology 2012:Vol 30 (4).	Dr.S Sharma, Dr.R Angral (Corresponding Author), Dr.A Jamwal, Dr.K Banotra.

S. No.	Topic	Name of Journal	Name of Authors
5.	Post operative analgesic technique in laparoscopic cholecystectomy: Comparison of local instillation with bupivacaine vs intravenous butorphanol vs intercostal nerve block with bupivacaine.	ofAnaesthesiology	Dr. Rajesh Angral (Corresponding Author), Dr. Seema Lachala Dr. Satyedev Gupta
6.	The prevalence of cardio vascular abnormalities in Thyrotoxicosis – A Cross Sectional Study.	J Medicine 2015; vol 16: 69172.	Dr. Sonika Kundan Dr. Mohan Lal Dr. Rajesh Angral. (Corresponding Author)
7.	A Comparative Study of The Effect of Addition Of Magnesuim Sulphate to Hyperbasic Bupivacaine in Patients Undergoing Lower Abdominal Surgeries.	Based Medicine Healthcare, Oct.2018; vol	Dr Anshu, Dr Rajesh Angral , Dr Heena Gupta, Dr Amit Kumar.
8.	Randomized Trial of Quantitative correlation Of Thoracic Epidural Tramadol With Post Operative Analgesia Inpatients Undergoing Thoracotomy.	JK Science ,Journal of Medical Education and Research July-sep 2019; Vol 21(3):134-138.	Dr Puja Vimesh, Dr Rasmeent Kour, Dr Rajesh Angral, Dr Anshu.
9.	Prophylatic use Of Magnesium Sulphate to Prevent arrhythmias in Patients With Rheumatic Heart Disease Undergoing closed Mitral Valvotomy.	JK Science, Journal of Medical Education and Research Oct-Dec 2019:vol 21(4):152-155.	Dr Puja Vimesh, Dr Rajesh Angral, (Corresponding Author) Dr Rasmeet Kaur, Dr Qamar-un-Nisa.
10.	General v/s regional anaesthesia for D&C-A prospective observational study.	J. Evidence Based Medicine Healthcare Dec2019; vol 6(49):3097-3100.	Dr Rajesh Angral, Dr Anshu, Dr Kunal Sharma, Dr Heena Gupta.
11.	Comparison of Dexmedetomidine and Propofol in Patients Undergoing Laparoscopic Cholecystectomy Under Spinal Anesthesia	Anesthesia: Essays and Researches April-June 2020; Volume 14(2): 194- 198.	Dr Heena Saini Dr Rajesh Angral (Corresponding Author) Dr Shruti Sharma

S. No.	Topic	Name of Journal	Name of Authors
12.	Effect of Prophylaxis of Amiodarone and Magnesium to Prevent Atrial Fibrillation in Patients with Rheumatic Valve Disease Undergoing Mitral Valve Replacement Surgery	Anesthesia: Essays and Researches April-June 2020; Volume 14(2): 189- 193.	Dr Shruti Sharma Dr Rajesh Angral (Corresponding Author) Dr Heena Saini
13.	Comparison of Safety and Efficacy of Endotracheal Tube, Laryngeal Mask Airway Supreme and I Gel in Laparoscopic Surgeries	Based Medicine Healthcare	Dr Heena Saini Dr Rajesh Angral (Corresponding Author) Dr Neelam Gupta

CASE REPORTS

• Spinal Cord Compression by an old untreated Asymptomatic Cervical Spine Injury –A rare case of misdiagnose identity.

Journal of Anaesthesiology and Clinical Pharmacology,

April 2008 Vol : 24 (2) 237 – 238

 Hemodynamic and myocardial manifestations of poisoning by Indian Scorpion (Mesobuthus tamulus) and its Management.
 Journal of Anaesthesiology and Clinical Pharmacology,

Jan. 2010 Vol : 26 (1) 117-118

• Inadvertent placement of left central venous catheter into left internal thoracic vein: A case report

Annals of Cardiac Anaesthesia April – June 2012: 15(2) 165-166

CONFERENCES AND WORKSHOP ATTENDED:

1. CME Neonatology-Paediatrics, Criticare, The Changing Scenario.

Military Hospital Jammu (21st - 22nd June 2003)

2. CME cum Workshop on Pain Management, Regional and Modern Anaesthesia Techniques.

Govt. Medical College Jammu (16 - 17th August 2003)

3. 4th ISACON – NZ 2003 Annual Conference of Indian Society of Anaesthesiologist North Zone.

Rohtak (Haryana) (18th - 19th October 2003)

4. International Congress on Regional Anaesthesia and pain Medicine.

New Delhi, India (20th - 22nd Feburary 2004)

5. 5th ISACON – NZ 2004 Annual Conference of Indian Society of Anaesthesiologist North Zone.

Govt. Medical College, Jammu (29th - 30th October 2004)

6. ICA – WFSA (World Federation of Societies of Anaesthesiologist) CME.

Govt. Medical College, Jammu (19th November 2005)

7. 8th ISACON – NZ 2007 Annual Conference of Indian Society of Anaesthesiologist North Zone.

Amritsar (17th - 18th November 2007)

8. 14th IACTA-2011 (Indian Association of Cardiovascular Thoracic Anaesthesiologists) Conference.

Bengalure (18th - 20th **February** 2011)

9. 3rd National Conference Indian Society for Rational Pharmacotherapeutics.

Govt. Medical College, Jammu (25th November, 2011)

10. CME by ISA, organized by Jammu City Branch at ASCOMS and Hospital, Jammu

Jammu (13th May 2018)

11. North Zone Association of Cardio thoracic Anaesthesiologists and Hero DMC HeartInstitute, Ludhiana : "Pediatric Cardiac Anaesthesia Update"

Ludhiana (30th Sep. 2018)

12. 25th Annual Conference of Vascular Society of India

Jammu (3rd - 6th Oct. 2018)

13. CRAB-E-CON PUNJ organized by Association of Radiation Oncologists of India-North Zone in Collaboration with GMC Kathua

Jammu(7th - 8th September, 2019)

14. PUNJAB ISACON , 2nd Annual Conference of Punjab ISA. (PIMS Medical College & Hospital, Jalandhar

(28th -29th September, 2019)

15. ASSOCIATION OF SURGEONS OF PATHANKOT, CME on Laparoscopic Surgery, Gynaecology & Urology

ASP House Pathankot (19th October, 2019)

16. 33rd Annual Conference of North Zone Ophthalmological Society,

Govt. Medical College, Jammu (1st - 3rd November, 2019)

17. INDIAN ASSOCIATION OF CARDIOVASCULAR- THORACIC SURGEONS, THORACIC CME

Govt. Medical College, Jammu (15th-16th November, 2019)

- **18.** PROSCON 2019, Under the Aegis of LBN Radiations of Hope.

 **Jammu(8th December, 2019)
- **19.** Virtual Conference- 8th CRAB-E-CON & DWITIYA TELEONCOTHON, Under the Aegis of Association of Radiation Oncologists of India-North Zone.

(2nd, 3rd & 4th October, 2020)

20. KAAMCON 2021 Organized by Airway Society Kochi, Kochi Advanced Airway Management Conference (Virtual Platform).

(17th January, 2021)

TRAINING AND WORKSHOP:

1. Curriculum implementation support programme (CISP -2). 22-23 July 2020.

Name: Dr. Sandeepika Dogra, MBBS, MD

Designation: Assistant Professor

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- Experience of 6 months in Obstetric Anaesthesia and critical care under fellowship programme in FERNANDEZ Hospital, Hyderabad BLS and ACLS provider.
- Fields of interests:- Obstetric Anaesthesia and Regional Anaesthesia.
- ➤ Member of RSACP, ISA.
- Free paper presentation on topic "Comparative analysis of Inj. Clonidine and inj Butorphanol as oral premedicants in paediatric general surgery" in 18th North Zone conference in Amritsar.
- ➤ Poster presentation on "role of Epidural Analgesic in relieving pain and overall prognosis in Acute pancreatitis in pregnancy" in 18th Obstetric Medicine conference 2018 in Fernandez Hospital, Hyderabad.
- ➤ Delivered a lecture on 'Pathophysiology of Pre-Eclampsia in CME organized by Century Hospital Hyderabad in February, 2019.
- ➤ Completed the WFSA SAFE paediatric course and workshop of 3 days in October, 2018. Completed the WFSA SAFE Obstetric Anaesthesia course for 3 days in December, 2018.
- ➤ Attended several Zonal and National anaesthesia conferences from the year 2013 till now as a delegate.

RESEARCH ARTICLES:

- 1. Comparative Evaluation of Oral Midazolam, ButorphAnol and clonidine as oral premedicants in children undergoing Elective surgery. Journal of Evolution of Medical and Dental Sciences 2015 Volume (4) 1311-15.
- 2. Comparison of Injection Dexmedetomidine with Injection Ketamine in Attenuation of Propofol Injection pain. 2018 Volume (2), JK Science of Medical Education and Research.
- 3. A placebo controlled study of Prophylactic Anti Emetic effects of Midazolam and ondansetron for preventing post operative nausea and vomiting in middle ear surgery. International Journal of Recent Advances in Multi disciplinary Research, Volume 06, Issue 04, 4844-46. April, 2019.

4. Comparison of the effects of Epidural 0.5% Bupivacaine and 0.5% Levo Bupivacaine administration without adjuvant medication in Anaesthesia Quality, side effects and Analgesia requirement in electively operated cases in Hip and Lower Extremity. Journal of JK Science of Medical Education and Research. Volume 19, No. 1, Jan-March, 2017.

Name: Dr Ashufta Rasool

Designation: Assistant Professor,

Department of Anaesthesia

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E-Mail: <u>ashuftarasool79@gmail.com</u>

> Field of Interest:- Ultrasound guided Blocks

CONFERENCES & WORKSHOPS ATTENDED:

- 1) NZISACON 2014 Conference
- 2) NZISACON 2014 Ultrasound guided Blocks and Cannulation workshop
- 3) ICACON 2019 1st International & 11th National conference.
- 4) 9th IPSAUSG guided Regional anaesthesia workshop
- 5) 1st Annual National Conference of YUVA ISA 2020(5th & 6th September)
- 6) 8th CRAB-E-CON Virtual Conference (2nd, 3rd & 4th October, 2020)
- 7) 1st International conference & 30th National conference RSACPCON 2021 (6th 7th March, 2021)
- 8) 18th North Zone ISACON 2020

PAPER PRESENTATION:

Free paper presentation on topic "To evaluate the efficacy of the OSTAP block with Ropivacaine for Post operative analgesia in laproscopic cholecystectomy" in ICACON 2019

PAPERS:

- 1. Adductor canal block as an Alternative to Femoral Nerve Block for post operative Analgesia following orthoscopic knee surgery.
- 2. Comparison of low dose Bupivacaine and Ropvacaine in low thoracic combined spinal epidural anaesthesia for laproscopic cholecystectomy.

- 3. Prevention of Pain on proposal injection: A comparative, prospective, Randomized, double blind study between Lignocaine, Pethidine, Dexametharene & Placebo.
- 4. Bacterial colonization of Thoracic Epidural catheter for post-operative analgesia.
- 5. Attenuation of Hemodynamic Response during Open Cholecystectomy with Interpleural Block in controlled Hypertensive Patients.

Name: Dr Nahila Mahajan

Designation: Assistant Professor

Department of Anaesthesia Phone No.: 9149956719

Elmail: nahilamahajan9@gmail.com

RSACP Member

Conference: Attended conference since 2014 Recent RSACP CON 2021 (6th -7th March) CRAB-E-CON Oct 2020

PAPER:

The Analgesic efficacy and safety of Epidural Clonidine for post operative Analgesia in patients undergoing Lumbosacral surgery.

ejbps, 2016, Vol 3, Issue 11, 328-331.

LIST OF BOOKS

S No	Book Name	Author	No of books
1	ANAESTHESIA A CONCISE HANDBOOK	ARTHURS	3
2	CLINICAL ANAESTHESIA 8 ed	BARASH	1
3	ESSENTIAL CLINICAL ANAESTHESIA	VACANTI	2
4	HANDBOOK OF CLINICAL ANAESTHESIA	BARASH	1
5	HANDBOOK OF LOCAL ANAESTHESIA	MALAMED	2
6	LEE'S SYNOPSIS OF ANAESTHESIA, 14 ED	CASHMAN	2
7	PERIPHERAL REGIONAL ANAESTHESIA: ANATOMY AND TECHINIQUES, 2 ED	MEIER	1

S No	Book Name	Author	No of books
8	KEY CONCEPTS IN PAIN MANAGEMENT	PAM KELLNER	1
9	PRINCIPLES & PRACTICE OF REGIONAL ANAESTHESIA, 4 ED HB	MCLEOD	2
10	PRINCIPLES OF CRITICAL CARE	UDWADIA	1
11	STOELTING'S PHARMACOLOGY AND ANESTHETIC PRACTICE, 5 ED	PAMELA FLOOD	1
12	MARINO'S THE ICU BOOK, 4 ED	MARINO	4
13	THE WASHINGTON MANUAL OF CRITICAL CARE, 3 ED(SAE)	KOLLEF	2
14	UNCOMMON PROBLEMS IN INTENSIVE CARE	CADE	3
15	UNDERSTANDING ANESTHESIA EQUIPMENT, 5 ED WITH SOLUTION CODE	DORSCH	2
16	CIVETTA, TAYLOR & KIRBY'S CRITICAL CARE MEDICINE 5 ED	LAYON	2
17	TB OF OBSTETRIC ANAESTHESIA	COLLIS	2
18	ANAESTHESIA AND INTENSIVE CARE A- Z: AN ANCYCLOPEDIA OF PRINCIPLES AND PRACTICE, 6/ ED	YENTIS	1
19	COMPLICATIONS IN ANAESTHESIA, 3RD ED	FLEISHER	1
20	PRINCIPLES & PRACTICE OF REGIONAL ANAESTHESIA, 4 ED HB	MCLEOD	1
21	UNDERSTANDING ANESTHESIA EQUIPMENT, 5 ED WITH SOLUTION CODE	DORSCH	1
		TOTAL BOOKS - 36	

LIST OF EQUIPMENTS IN THE DEPARTMENT OF ANAESTHESIA:

S.No.	Name of Equipments	Quantity		
	Equipment in ICU section			
1.	ICU/ Recovery Beds	2		
2.	High End Ventilator Model - savina 300	5		
3.	Ventilator System cv-200 (Govt Of India)	18		
4.	Portable Ventilator Model- Meditech 1700	5		
5.	Portable Ventilator (GOVT OF INDIA)	5		
6.	Portable Vetilator (AGVA)	8		

S.No.	Name of Equipments	Quantity	
7.	Syringe Infusion pump (IP-38)	10	
8.	Defibrillator with external Pacing (MC 1758)	1	
9.	Crash Cart	2	
10.	Drip Stand	5	
11.	Bed side stool	5	
12.	Over bed table	12	
13.	O2 cylinder (Large)	1	
14.	Patient Monitor (CMS8000)	3	
15.	Modular Monitor (Elite V8) Model (MC-1757	6	
16.	Emergency Recovery Trolly	1	
17.	Patient Trolly	2	
18.	Pulse Oximeter	10	
19.	fold screens 4 pannel	8	
20.	Nebulizer	2	
21.	Digital Thermometer	2	
22.	Bed side locker	10	
23.	I-Stat portable Blood Gas Analyzer with	1	
	data management and connectivity		
	solutions MAKE M/S Abbott Model I-STAT		
	(wifi)330 w with data management and		
	connectivity solutions I-Stat. S.No.		
	(389568) Simulator S.No. (102077) I-		
	STAT Printer Kit		
24.	laryngoscope Paedatric blades set of 03	2	
25.	Refrigerator LG 185L	1	
26.	OXYGEN CONCENTRATOR	5	
27.	Needle and Syringe destroyer	2	
28.	Glucometer (Accua Sure)	1	
29.	OXYGEN CYLINDER BITYPE	2	
30.	OXYGEN FLOW METER (GAS REGULATOR)	1	
31.	High Flow Nasal Oxygen Therapy Unit	10	
EQUIPMENT IN OT SECTION			
1.	Anaesthesia workstation	8	
2.	Suction Pump (HI-VAC)	2	
3.	Suction apparatus Model No. ESTSM 101	1	
4.	Laryngoscope Adult	7	
5.	Laryngoscope Pediatric	4	
6.	Defibrillator Monitor (Medina) Model No.	2	
	D500		
7.	Crash cart	5	
8.	Patient Monitor Model No. CM58300	7	
9.	Module Monitor (EDAN) Model ELITE V8	4	
10.	Foot suction Machine Model No.ESTSM 110	1	

S.No.	Name of Equipments	Quantity
11.	Electrical (Phoenix)Weighing Machine Model	1
	No. AS 150	
12.	Olex Nebulizer Model No. VM08 Lot No. 117	1
13.	Refrigerator LG 185L	1
14.	BP apparatus (endroid)	2
15.	Diamond free BP apparatus led	6
16.	Oxygen concentrator	4
17.	Infrared medical thermometer	1
18.	Glucometer	1
19.	High Pressure O2 gas regulator	2
20.	O2 flow meter with Humidifier 100 ml	21
21.	Vacuum suction 600ml	8
22.	Vacuum suction 2000ml	2
23.	Vacuum suction with suction trolley 4000	6
	ml	
24.	Life line adult stethoscope	10
25.	Oxygen cylinder small (E-type)	3
26.	Oxygen cylinder medium (B-type)	2
27.	Nitrous cylinder (H-type)	2
28.	Nitrous cylinder Medium	2
29.	Nitrous cylinder (E-type)	3
30.	Nitrous cylinder assorted	4