



## **CURICULLUM VITAE**

### **PERSONAL DETAILS:**

Name : Professor AKM Akhtaruzzaman

Date of Birth : December 30, 1964

Mailing Address :

### **OFFICE:**

Chairman  
Department of Anaesthesia, Analgesia and Intensive Care Medicine  
Bangabandhu Sheikh Mujib Medical University  
Room no-1005, Block-C, 9<sup>th</sup> Floor, Shahbag,  
Dhaka-1000, Bangladesh

### **RESIDENCE:**

Apt: A-2, Green Jasmine  
House No-06, Road No-07  
Dhanmondi R/A, Dhaka-1205  
Bangladesh

Telephone : +88-02- 55165635 (Hosp), +88-02- 966 1052-60 ext: 4217 (Hosp)  
+88-02-9666212 (Res); Mobile- +88-01819- 220195

Fax No : +8802 9101-995

Email : <[akm.akhtaruzzaman@bsmmu.edu.bd](mailto:akm.akhtaruzzaman@bsmmu.edu.bd)>; <[akhtaruzzaman.akm@gmail.com](mailto:akhtaruzzaman.akm@gmail.com)>

Website : [www.bsmmu.edu.bd](http://www.bsmmu.edu.bd); [www.paindoctor.com.bd](http://www.paindoctor.com.bd)

ORCID ID : [www.https://orcid.org/0000-0002-2427-1863](https://orcid.org/0000-0002-2427-1863)

### **Present position:**

1. **Professor and Chairman**, Department of Anaesthesia, Analgesia and Intensive Care Medicine, Bangabandhu Sheikh Mujib Medical University
2. **Course Co-ordinator**, Post graduate courses in Anaesthesia, Department of Anaesthesia, Analgesia and Intensive Care Medicine, Bangabandhu Sheikh Mujib Medical University, Shahbag, Dhaka-1000, Bangladesh.
3. **Centre Host- EDAIC** (European Diploma in Anaesthesia and Intensive Care), Dhaka Examination Centre
4. **Member**, BSMMU COVID 19 management committee, a four member committee headed by Pro-Vice Chancellor (Administration), Bangabandhu Sheikh Mujib Medical University

5. **Member**, Editorial Board, Brown University- DGHS-HAEFA Covid 19 online course for Bangladeshi physicians.
6. **President**, South Asian Regional Pain Society (SARPS), a Federation of International Association for the Study of Pain (IASP) and Secretary General, Bangladesh Society for Study of Pain (BSSP). [www.iasp-pain.org](http://www.iasp-pain.org)
7. Course Co-ordinator, Certificate Course on Pain Medicine (CCPM), organized jointly by Bangladesh Society for Study of Pain (BSSP) and Department of Anaesthesia, Analgesia and Intensive Care Medicine, BSMMU
8. Bangladesh Co-ordinator, Essential Pain Management (**EPM**) Course, jointly organized by Interplast, Australian and New Zealand College of Anaesthesiologists (ANZCA) and Bangladesh Society for Study of Pain (BSSP)

#### ACADEMIC ACHIEVEMENTS:

Name of exam	Year	Diploma/Degree Offering Authority/Institution
Doctor of Medicine <b>MD</b> (Anaesthesiology)	January 1998	Institute of Postgraduate Medicine & Research (IPGMR), under University of Dhaka, Bangladesh
Diploma in Anaesthesiology <b>DA</b>	July 1993	Institute of Postgraduate Medicine & Research (IPGMR), under University of Dhaka, Bangladesh
MBBS	September 1988	Dhaka Medical College under University of Dhaka, Bangladesh

#### APPOINTMENTS:

Professor and Chairman	Department of Anaesthesia, Analgesia and Intensive Care Medicine, BSMMU	July 09, 2019 to date
Professor of Neuroanaesthesia	Department of Anaesthesia, Analgesia and Intensive Care Medicine, BSMMU	December 19, 2009 to date
Associate Professor	Department of Anaesthesia, Analgesia and Intensive Care Medicine, BSMMU	October 7, 2003 to December 18, 2009
Assistant Professor	Department of Anaesthesia, Analgesia and Intensive Care Medicine, BSMMU	October 06, 1999 to October 6, 2003
Junior Consultant	Department of Anaesthesiology BIRDEM Hospital, Dhaka, Bangladesh	August 24, 1998 to October 05, 1999
Registrar	Department of Anaesthesiology BIRDEM Hospital, Dhaka, Bangladesh	April 16, 1996 to August 23, 1998
Medical Officer	Department of Anaesthesiology BIRDEM Hospital, Dhaka	November 1, 1994 to April 15, 1996
Honorary Anaesthesiologist	Department of Anaesthesiology Dhaka Medical College Hospital	January 8, 1990 to June 30, 1992
Internship	Dhaka Medical College Hospital	January 8, 1989 to January 7, 1990

## TRAINING & EXPERIENCES

Clinical Observer ship in Pain Medicine	Department of Pain Medicine Juntendo University School of Medicine, <b>Tokyo, Japan</b>	September 30, 2016 to October 5, 2016
Hands on Training in Palliative Care	Department of Pain and Palliative Care, Amrita Institute of Medical Science (AIMS), Cochin, <b>Kerala, India</b>	January 05, 2003 to January 12, 2003
One month Hands-on Training on Pain Medicine	Department of Anaesthesiology and Pain Clinic Surugadai Nihon University School of Medicine, <b>Tokyo, Japan</b>	October 23, 1999 to November 22, 1999
Fellow in Anaesthesia and Pain Medicine	Nippon Medical School <b>Tokyo, Japan</b>	July 04, 1992 to October 30, 1992

## REASRCH ACTIVITY (ongoing and past):

### Ongoing:

2020-21	<ol style="list-style-type: none"> <li>1. Principal Investigators: A multi-centre, open label, non-inferiority trial to compare CTEX-WG7 compared to standard CPAP in maintaining oxygen saturations over 12 hours for the treatment of COVID-19 (<b>Joint research project with Wales Govt, UK</b>).</li> <li>2. Recipient of Teachers Research Grant 2019 (Prevalence of prescription drug misuse among patients with chronic pain attending in a pain clinic of a tertiary hospital) as principal investigator, Bangabandhu Sheikh Mujib Medical University, Dhaka, Bangladesh</li> <li>3. Recipient of Factors <b>Bangladesh Medical Research Council</b> Research Grant 2020 Title-Responsible for Surgical Treatment Delay &amp; it's influence on Patients Perception of Healthcare Services</li> <li>4. Efficacy study of a locally developed Powered Air-Purifying Respirator (PAPR) for protection of healthcare staff during management of COVID19 patients (<b>Joint research BSMMU, DU and UAP</b>)</li> <li>5. Study of the efficacy of a locally developed filter and disinfection unit of a negative pressure canopy system in the removal of COVID 19 virus(<b>Joint research BSMMU, DU and UAP</b>)</li> </ol>
---------	--

### Past:

1. Recipient of University Research Grant 2015 (Development of a critical incident reporting system during anaesthesia for Department of Anaesthesia, Analgesia and Intensive Care Medicine,

- Bangabandhu Sheikh Mujib Medical University) as principal investigator, Bangabandhu Sheikh Mujib Medical University, Dhaka, Bangladesh
2. Recipient of Center of Excellent Research Grant 2011(Neurolytic-caeliac plexus block for pain relief in pancreatic malignancy - a comparative study) as principal investigator, Bangabandhu Sheikh Mujib Medical University, Dhaka, Bangladesh
  3. Recipient of University Grant Commission, Bangladesh ‘Academic Innovation Fund 2012’ (Development of palliative care teaching material for under graduate and masters level) as an Alternate Sub-Project Manager; CP-2054
  4. Nationwide survey on neurological complications after central neuraxial block as principal investigator

SUPERVISOR OF PhD, MD (ANAESTH), MD (Critical Care Medicine)MD (Pharmacology)  
 AND MS (FACIO-MAXILARY) THESIS:

Academic Research

Position	Name of Student, Course and Session	Title of Thesis
Co-Supervisor	Dr Md Mazharul Alam PhD Course, Jahangir Nagar University, Dhaka	Role of Platelets Rich Plasma (PRP) in osteoarthritis knee pain as a regenerative medicine and its social impacts

Position	Name of Student, Course and Session	Title of Thesis
Supervisor	Dr Nafiza Afroz MD Critical Care Medicine March 2020 to January 2023	Prediction of severity of COVID 19 patients by serum Ferritin level
Supervisor	Dr Md Mosharraf Hossain, MD Anaesthesiology September 2019 to July 2022	Assessment of pain and disabilities in post COVID 19 patients in a tertiary care hospital in Bangladesh
Supervisor	Dr Sakera Sultana MD Anaesthesiology September 2019 to July 2022	Ultrasound guided quadratus lumbraum and transversus abdominis plane block for post-operative analgesia in patient undergoing caesarean section under sub-arachnoid block- a comparative study
Supervisor	Dr Md Abdullah Tareq Bhuiyan MD Anaesthesiology March 1018 to January 2022	Use of ROX index to assess adequacy of respiratory support on covid 19 patients with respiratory failure- an observational study
Supervisor	Dr Shahadat Hossain MD Critical care Medicine March 1018 to January 2022	D-dimer level on admission as an outcome predictor of COVID 19 patients in Intensive Care Unit in Bangladesh
Supervisor	Dr MstNurjahan Begum MD Critical Care Medicine March 2018 to January 2021	Diaphragmatic Rapid Shallow Breathing Index for predicting weaning outcome- a comparative study
Supervisor	Dr Golam Mustafa	Efficacy of amitriptyline and duloxetine in the

	MD Anaesthesiology March 2017 to January 2021	treatment of post chikungunya pain
Supervisor	Dr Mohammad Moinuddin MD Anaesthesiology March 2017 to July 2020	Effect of duloxetine in addition to platelet rich plasma in managing neuropathic knee pain- a comparative study
Supervisor	Dr. Shahrina Shirmin MD Anaesthesiology March 2017 to January 2021	Effect of Epidural Bolus Levo-bupivacaine and Lignocaine in Late Second Stage of parturition in Combined Spinal Epidural Labour Analgesia
Supervisor	Dr. Mohammad Abdul Hannan MD Anaesthesiology September 2016 to July 2019	Effect of epidural steroid injection and selective nerve root block in low back pain: A comparative study
Co-Supervisor	Dr Monira Parveen MD Pharmacology March 2016	Randomized, double blind controlled trail to evaluate the effect of wound infiltration with bupivacaine after laparoscopic cholecystectomy
Supervisor	Dr. Kazi Mahzabin Arin MD Anaesthesiology March 2016 to July 2019	A comparative study between ultrasound-guided combined femoral- sciatic-obturator nerve block and sub-arachnoid block in anterior cruciate ligament (ACL) reconstruction
Supervisor	Dr Sayedur Rahman Shiplu MD Anaesthesiology September 2015 to January 2018	Study of effect of intra-articular platelet rich plasma with hyaluronic acid in primary knee osteoarthritis-a comparative study
Supervisor	Dr. Muhammad Shamsul Arefin MD Anaesthesiology September 2014 to August 2017	Ozone chemonucleolysis on pain and disability in patients with prolapsed lumbar intervertebral disc.
Supervisor	Dr. Mehdi Hassan MD Anaesthesiology September 2014 to August 2017	Ultrasound guided nerve stimulation and nerve stimulation alone for supra-clavicular brachial plexus block – A randomized comparative study
Supervisor	Dr. Mahfuza Akter MD Anaesthesiology September 2013 to August 2016	Effectiveness of oral Clonidine in providing optimal surgical field and stable haemodynamics in prolapsed lumbar inter-vertebral disc surgery under general anaesthesia- a placebo controlled study
Supervisor	Dr Mir Mohammad Rifat Chowdhury MD Anaesthesiology March 2012 to November 2014	Role of clonidine in Neuroanaesthesia for patient with supra-tentorial space occupying lesion undergoing craniotomy- a placebo-control comparative study
Supervisor	Dr Mohammad Sofiuddin MD Anaesthesiology July 2009- June 2011	Role of oral clonidine premedication in diabetic patient on haemodynamics status and blood homeostatic- a placebo control comparative study
Supervisor	Dr Hasan Tarek MD Anaesthesiology July 2009- June 2011	Neurolyticcaeliac plexus block for pain relief in pancreatic malignancy - a comparative study
Supervisor	Dr. Md Wadudul Islam MD Anaesthesiology January 2007-December 2009	Sevoflurane versus halothane for general anaesthesia in paediatric patients- a comparative study of induction haemodynamic response and emergence
Supervisor	Dr. Mohammad Hossain Bhuiyan MSFacio-maxillary Surgery July 2006-June 2008	Efficacy of methylprednisolone with inferior nerve block in third molar tooth surgical extraction
Supervisor	Dr. Farhana Selina MD Anaesthesiology July 2005-June 2007	Effects of oral clonidine on stability of mean blood pressure in craniotomy
Supervisor	Dr. Md Harun Ur Rashid MSFacio-maxillary Surgery July, 2004 to June, 2006	Role of nerve block in oral cancer pain management – a comparative study with conventional therapy

GUIDE OF FCPS (ANAESTH) DISSERTATION: Academic Research

Position	Name of Student and Session	Title of Thesis
Supervisor	Dr. Md. Mostafijur Rahman July 2018	Effect of intrathecal levo-bupivacaine with Fentanyl and only bupivacaine for combined spinal- Epidural Analgesia in Labour – a comparative study.
Supervisor	Dr. Mohammad MominulHaque July 2011	Dexmedetomidine as an adjuvant to bupivacaine in caudal analgesia in children undergoing infraumbilical surgery.
Supervisor	Dr Md Hasanuzzaman July 2016	Effects of pre-operative education on post-operative pain, anxiety and patients satisfaction after coronary artery bypass graft (CABG) surgery
Supervisor	Dr Shofia Sultana Shampa 2016	Evaluation of quality of inhalation anaesthesia in paediatric patients using Halothane alone or sequential use of Sevoflurane and Halothane- a comparative study
Supervisor	Dr M Mushfiqur Rahman 2012	Comparative study between 0.5% plain bupivacaine-fentanyl and 0.5% hyperbaric bupivacaine alone when administered intrathecally for TURP surgery
Supervisor	Dr Nepal Chandra Saha 2011	Role of pre-emptive oral paracetamol in laparoscopic cholecystectomy surgery- a comparative study
Supervisor	Dr Md. Monowarul Islam 2005	Subarachnoid clonidine or fentanyl with low dose hyperbaric bupivacaine for elective caesarean section- a comparative study

PARTICIPATION OF INTERNATIONAL CONGRESS

Year	Name of International Congress	Title of Abstract
<b>2019</b>	21 <sup>st</sup> ASEAN Congress of Anaesthesiologists, Bandar Seri Begawan, Brunei, Darussalam	Current strategies to treat cancer pain
		TIVA in low resource setting
	67 <sup>th</sup> Annual Meeting of the Japanese Society of chemotherapy at Tokyo, Japan	Antimicrobial resistance situation in Bangladesh - emerging clinical challenge
	66 <sup>th</sup> Annual Meeting of the Japanese Society of Anaesthesiologist at Kobe, Japan	Neuro-anaesthesia in Bangladesh
	25 <sup>th</sup> Annual Meeting of Japanese Society for Intravenous Anaesthesia at Ashikaga, Japan	Practice of Total Intravenous Anaesthesia (TIVA) in Bangladesh
<b>2018</b>	17 <sup>th</sup> World Congress on Pain 2018 at Boston, USA	Invited Speaker
	52 <sup>nd</sup> Annual Meeting of Japan Society of Pain Clinicians as Speaker.	Invited Speaker
	8 <sup>th</sup> South Asian Regional Pain Society (SARPS) congress on Pain 2018	Congress Secretary and Faculty

<b>2017</b>	10 <sup>th</sup> European Federation of IASP (EFIC) Congress on Pain 2017, Copenhagen, Denmark	Attended as invited delegate from Bangladesh
<b>2016</b>	16 <sup>th</sup> World Congress on Pain 2016, Yokohama, Japan	Caudal epidural and ozone nucleolysis for management of pain and disability in prolapsed lumbar intervertebral disc – a prospective cohort study
<b>2016</b>	Annual Scientific meeting of Pain Association of Singapore 2016	Attended as invited delegate from Bangladesh
<b>2015</b>	13 <sup>th</sup> Asian Oceanic Society of Regional Anaesthesia and Pain Medicine Congress, Bangkok, Thailand January 22-24, 2015	I have learned and practice ultrasound guided for nerve block in this workshop
<b>2014</b>	NYSORA Asia K-2 Mission 2014 ultrasound guided nerve block workshop, Kuala Lumpur, Malaysia March 8-9, 2014	I have learned and practice ultrasound guided for nerve block in this workshop
<b>2013</b>	67 <sup>th</sup> Postgraduate assembly of New York State Society of Anaesthesiologists (NYSSA) as International Scholar, December 13-17, 2013	Invited as International Scholar
<b>2012</b>	59 <sup>th</sup> Annual congress of Japanese Society of Anaesthesiologists (JSA), <b>Kobe, Japan</b>	Lignocaine infusion for the treatment of neuropathic pain- a preliminary report
<b>2012</b>	14 <sup>th</sup> World Congress of Pain <b>2012</b> , <b>Milan, Italy</b>	Effect of Neurolytic coeliac plexus block on pain relief in patients with pancreatic malignancy in Bangladesh: a comparison with conventional approach
<b>2008</b>	14 <sup>th</sup> World Congress of Anaesthesiologists <b>2008</b> , Cape Town, <b>South Africa</b> .	Mandibular nerve block by methyl prednisolone in oral cancer pain management- a comparative study
<b>2007</b>	27 <sup>th</sup> Congress of Japan Society for Clinical Anaesthesiologists (JSCA) <b>2007</b> , Tokyo, <b>Japan</b> .	Development of pain and palliative care service in Bangladesh
<b>2006</b>	V European Congress on Pain <b>2006</b> , Istanbul, <b>Turkey</b> .	Role of Midazolam added to low dose hyperbaric Bupivacaine in sub-arachnoid block for lower uterine caesarean section-a comparative study.
<b>2005</b>	Sixth SACA (South Asian Confederation of Anaesthesiologists) congress, <b>2005</b> , Colombo, <b>Sri Lanka</b>	Effect of ketorolac with low dose midazolam infusion on post-operative pethidine consumption after major Gynaecological surgery
<b>2004</b>	Third FresiniusKabi Symposium on Transfusion Alternative <b>2004</b> , Seoul, <b>South Korea</b> .	Use of HES as an alternative fluid for preloading during caesarean section.
<b>2003</b>	Fifth SACA (South Asian Confederation of Anaesthesiologists) congress, <b>2003</b> , Dhaka, <b>Bangladesh</b>	Neurolytic coeliac plexus block for cancer pain management

<b>1999</b>	Fourth SACA (South Asian Confederation of Anaesthesiologists) congress, <b>1999</b> , Chennai, <b>India</b> Second SAFOC Congress, <b>1999</b> , Dhaka, <b>Bangladesh</b>	Multimodal approach for postoperative pain management  Low dose bupivacaine and fentanyl for continuous epidural block in labour pain management
<b>1997</b>	Third SACA (South Asian Confederation of Anaesthesiologists) congress, <b>1997</b> , Karachi, <b>Pakistan</b>	Unilateral subarachnoid block in high risk patient- BIRDEM experience
<b>1995</b>	Second SACA (South Asian Confederation of Anaesthesiologists) congress, <b>1995</b> , Colombo, <b>Sri Lanka</b>	Perioperative management of diabetes- an update
<b>1993</b>	First SACA (South Asian Confederation of Anaesthesiologists) congress, <b>1993</b> , Dhaka, <b>Bangladesh</b>	Use of ENTONOX in post-operative pain management

**PROFESIONAL SOCIETIES AFFILIATION:**

1. President, South Asian Regional Pain Society (SARPS) 2020-2022
2. Organizing Secretary, 8<sup>th</sup> SARPS Congress on Pain 2018
3. Organizing Secretary, 17<sup>th</sup> BSSP Congress on Pain 2015
4. Chairman, Scientific Committee, 10<sup>th</sup> SAARC AA Congress 2013, Dhaka, Bangladesh
5. Secretary General, Bangladesh Society for Study of Pain (BSSP) since 2003
6. Founder Secretary General, South Asian Regional Pain Society (SARPS)
7. Member, International Association for the Study of Pain (IASP)
8. Life member, Bangladesh Society of Anaesthesiologists (BSA)
9. Chairman. International Liaison Committee, Bangladesh Society of Anaesthesiologists (BSA), 2011-2012
10. Life member, Bangladesh Medical Association (BMA)
11. Member, Editorial Board, Bangladesh Journal of Pain
12. Organizing Secretary, 14<sup>th</sup> BSSP Congress on Pain 2012
13. Associate Editor, Journal of Anaesthesia, Pain & Intensive Care (APICARE), Pakistan
14. Life Member: Cadet College Club Ltd
15. Founder Secretary General, Rampur Old Cadets Association (ROCA)

**ACADEMIC AND ADMINISTRATIVE RESPONSABILITY:**

1. Bangladesh Co-ordinator, **Essential Pain Management (EPM) Course**
2. **Centre Host- EDAIC** (European Diploma in Anaesthesia and Intensive Care), Dhaka Examination Centre
3. Member, COVID 19 Task Force, Bangabandhu Sheikh Mujib Medical University



4. Member of core group for drafting the guide line: National Guideline for Management, Prevention and Control of **Nipah Virus Infection** Including Encephalitis (Technical support by **WHO, Bangladesh Office**) 2012
5. I availed the opportunity to represent as an expert consultant from Bangladesh for the core committee to develop '**clinical criteria for the determination of death**' which was accepted for implementation globally held on 22-23 September 2014 at WHO Headquarters, Geneva, witzerland.(<http://apps.who.int/iris/bitstream/10665/254737/1/WHO-HIS-SDS-2017.5-eng.pdf>)
6. Member of core group for drafting the guide line: on detection, reporting, clinical management, infection control, contact tracing, waste management, risk communication and burial of dead bodies for **Ebola Viral Disease** (Technical support by **WHO, Bangladesh Office**) 2014

#### AWARDS AND SCHOLARSHIPS

1. **Best teacher award 2002**, Department of Anaesthesia, Intensive Care and Pain Medicine, BSMMU
2. **Best performing consultant award 2003**, Department of Anaesthesia, Intensive Care and Pain Medicine, BSMMU
3. **International Scholar** of 67<sup>th</sup> Postgraduate assembly of New York State Society of Anesthesiologists (NYSSA) December 13-17, 2013

#### PUBLICATIONS:

- 2020
1. Md Abdur Rahim, **Akhtaruzzaman AKM**, Mir Mohammad Rifat Chowdhury, Md Arif Uddin, Iqbal Hossain Chowdhury, SM Rashidul Hasan. Comparison between propofol and dexmedetomidine as an agent of conscious sedation in patients undergoing tympanoplasty; a randomized controlled trail. 2020
  2. Begum, S.**Akhtaruzzaman, AKM**, Bhowmick, D, Banik, D , Rahman, M. , Rahman, A. , Rahman, M. , Hasan, K. , Ahsan, M. , Islam, M. , Arefin, M. and Islam, T. Effects of Combined Spinal Epidural Anaesthesia and Spinal Anaesthesia on Peri-Operative Pulmonary Status in Geriatric Patients in Lower Extremity Surgery. *Journal of Biosciences and Medicines*, 2020;**8**, 132-147. doi: [10.4236/jbm.2020.810012](https://doi.org/10.4236/jbm.2020.810012).
  3. Kamal MM, Chowdhury IH, Islam MI, Hossain MJ, **Akhtaruzzaman AKM**. Effect of Intravenous Paracetamol with Bupivacaine Scalp Nerve Block on Haemodynamics Response as Well as Anaesthetic Requirements During Supratentorial Craniotomies. *Mymensingh Medical Journal*. 2020: 29(2):341-350
  4. Quazi A Mahmud Siddiqui, **AKM Akhtaruzzaman**. Provision of Anaesthesia and theatre flow for COVID-19 patients. An Aid to the Management of COVID-19 in Bangladesh: "Lessons from the Western Experience -" FIGHTING COVID 19 ON

- THE FRONTLINE, 3<sup>rd</sup> Edition, pp 85-91, 2020, shakilfarid.com/covid19
5. Syed Ariful Islam<sup>1</sup>, Md. Saydur Rahman, Md. Imrul Islam, A. K. M. Faizul Hoque, Mohammad Shamsul Arefin, Md. Jobayer Hossain, Mohinee Begum, **Akhtaruzzaman AKM**. Role of Dexmedetomidine as Preemptive Analgesic on Postoperative Pain Following Open Abdominal Hysterectomy under General Anaesthesia: A Placebo Controlled Study. *Scholars Journal of Applied Medical Sciences* DOI: 10.363.
  6. Saidur Rahman Mashreky, Akhtaruzzaman AKM, Dilip Kumar Bhowmick, Farah Naz Rahman, AKM Fazlur Rahman. EVALUATION OF ESSENTIAL PAIN MANAGEMENT (EPM) PROGRAM IN BANGLADESH (2013-2018). [https://www.anzca.edu.au/resources/essential-pain-management/other-epm-resources/epm\\_bangladesh-report\\_2020.pdf47/sjams.2020.v08i07.021;1755-1763](https://www.anzca.edu.au/resources/essential-pain-management/other-epm-resources/epm_bangladesh-report_2020.pdf47/sjams.2020.v08i07.021;1755-1763).
  7. Dilip Kumar Bhowmick, Pooja Bhari, Sharmin Ara Begum, Begum Maksuda Farida Akhtar, **Akhtaruzzaman AKM**. The effectiveness of prophylactic intravenous phenylephrine and ephedrine on maternal haemodynamics and foetal outcome in elective caesarean section under subarachnoid. *European Journal of Pharmaceutical and Medical Research*. 2000, 7(9)597-602.
  - 2019 8. Md. Tajul Islam, Dr. Dilip Kumar Saha, Md. Shafiqul Islam, Md. Habibur Rahman, **Akhtaruzzaman AKM**, Mahmmauda Khanom. Study to Determine the Definite Percentage of the Different Analgesic Drugs and Analgesic Techniques Used at the Postoperative Ward for Pain Management in Sir Salimullah Medical College Hospital, Mitford, Dhaka, *Int J Med Res Prof*. 2019; 5(3) 76-80, [www.ijmrp.com](http://www.ijmrp.com)
  9. **Akhtaruzzaman AKM**. Practice of Total Intravenous Anaesthesia (TIVA) in Bangladesh **Japanese Society for Intravenous Anaesthesia**
  10. Md. Saydur Rahman, Syed Ariful Islam, Md. Jobayer Hossain, Muhammad Shamsul Arefin, Md. Imrul Islam, Sharmin Ara Begum, Shofina Sultana Shompa, **Akhtaruzzaman AKM**. Effects of Platelet Rich Plasma in Combination with Hyaluronic Acid in the Treatment of Primary Knee Osteoarthritis. **Journal of National Institute of Neurosciences Bangladesh**. 2019, Vol. 5, No. 2, pp. 137-142
  - 2018 11. Mehdi Hasan, **AKM Akhtaruzzaman**, AKM Faizul Hoque, Rezwanur Rahman, Sabina Yeasmeen, Debabrata Banik. Ultrasound guided nerve stimulation and nerve stimulation alone for supraclavicular brachial plexus block- a randomized comparative study. **Journal of the Bangladesh Society of Anaesthesiologists** 2018; 31(2):54-61.
  12. Md Abdul Alim, AKM Habibullah, Ranjit Kumar Ghosh, Debabrata Banik, **AKM Akhtaruzzaman**. Effectiveness of plethysmographic variability index for prediction of subarachnoid block induced hypotension in caesarean section. **Journal of the Bangladesh Society of Anaesthesiologists** 2018; 31(2):62-66.

- 2017 13. Jonathan Loveday, Sonal P. Sachdev, Meena N. Cherian, Francisco Katayama, **Akhtaruzzaman A K M**, Joe Thomas, N. Huda, E. Brian Faragher, Walter D. Johnson. Survey of Emergency and Essential Surgical, Obstetric and Anaesthetic Services Available in Bangladeshi Government Health Facilities. **World J Surg** 2017; 41(7):1743-1751 doi:10.1007/s00268-017-3918-6
14. Banik D, Ray L, **Akhtaruzzaman AKM**, Bhowmick DK, Hossain MS, Islam MS, Haque MF. Assessment of Difficulties Associated with Endotracheal Intubation using Modified Mallampati and Upper Lip Bite Test. **Mymensingh Med J.** 2017 Apr; 26(2):395-405.
15. Clinical criteria for the determination of death. Geneva: World Health Organization; 2017. Licence: CC BY-NC-SA 3.0 IGO.  
(<http://apps.who.int/iris/bitstream/10665/254737/1/WHO-HIS-SDS-2017.5-eng.pdf>)
16. Kazi Nur Afsia, Moinul Hossain, **AKM Akhtaruzzaman**, Debabrata Banik, Mustafa Kamal, Mehedi Hassan. Preemptive analgesia with pregabalin: its effect on postoperative analgesia after abdominal hysterectomy. **Journal of the Bangladesh Society of Anaesthesiologists** 2017; 30:66-75.
- 2016 17. Nasir Uddin Ahmed, Masuda Islam Khan, Aynul Islam Khan, **Akhtaruzzaman AKM**. Low dose bupivacaine plus fentanyl in subarachnoid block for caesarean Section. **Delta Med Col J. Jan 2016; 4(1):24-30.**
- 2015 18. M M Rifat Chowdhury, Md Shafiqul Islam, D.K. Bhowmick, Md Mustafa Kamal, **Akhtaruzzaman AKM**. Effects of clonidine on hemodynamic response and dural tightness in patients with supra-tentorial space occupying lesion undergoing craniotomy- a placebo controlled comparative study. **APICARE (Pakistan Journal of Anaesthesia, Pain and Intensive Care Medicine)** 2015; 19 (3): 233-239.
19. Moniruzzaman M, Hossain MS, Amin MR, Khasru MR, Rahman MA, Khandaker MN, Uddin MT, **Akhtaruzzaman AKM**. Efficacy of intradiscal ozone gas therapy combined with physical therapy in contained lumbar disc prolapse. **Bangladesh Med J.** 2015 Sep; 44(3).
- 2014 20. **AKM Akhtaruzzaman**, Md. Wahidur Rahman, D.K. Bhowmick, M.F.A. Begum. Foot drop after subarachnoid block for removal of McDonald cervical suture and cesarean section. **APICARE (Pakistan Journal of Anaesthesia, Pain and Intensive Care Medicine)** 2014; 18 (1): 52-58
21. Md. Shafiqul Islam, Mushfiqur Rahman, Mahbubul Hasan Munir, **Akhtaruzzaman AKM**, AKM Nur Nobil Choudhury. Subarachnoid Block for Transurethral Resection of Prostate: A Comparison Between 0.5% Plain Isobaric Bupivacaine-Fentanyl and 0.5% Hyperbaric Bupivacaine Alone. **Journal of the Bangladesh Society of**

**Anaesthesiologists 2014; 27(2):65-70.**

22. Ahmed NU, Khan F, Quadir SS, Rahman M, Laskar MH, **Akhtaruzzaman AKM**. Conceptual prevalence in palliative care amongst the physicians of Bangabandhu Sheikh Mujib Medical University: a comparison between the post-graduate trainees and the trainers. **Journal of the Bangladesh Society of Anaesthesiologists 2014; 22:26-31.**
- 2013 23. Mir Mahmud Hossain, Moinul Hossain, **Akhtaruzzaman AKM**, Kazi Mesbahuddin Iqbal, Assessment of tracheal intubation grading, **Journal of the Bangladesh Society of Anaesthesiologists**<http://bsabd.com/final/wp-content/uploads/2013/11/2004.pdf>
24. Md Shahidul Islam, Abdul Kader, **Akhtaruzzaman AKM**, Iqbal KM Effect of Hydroxyethyl Starch for preloading in pre-eclamptic patients undergoing caesarean section under sub- arachnoid block- a comparison with Hartmann solution **Journal of the Bangladesh Society of Anaesthesiologists. <http://bsabd.com/final/wp-content/uploads/2013/11/2004.pdf>**
25. Malaya Kumar Das, Rubina Yeasmin, UH Shahera Khatun, Md Tanveer Alam, **Akhtaruzzaman AKM**, Haradhan Debnath. Effect of pretreatment with magnesium sulphate on suxamethonium induced complications during induction of general anaesthesia- a placebo control study. **Journal of the Bangladesh Society of Anaesthesiologists 2013; 26(1):27-32.**
26. Nepal Chandra Saha, MehediMasud, Mohammad Sofiuddin, Mushfiqur Rahman, Dilip Kumar Bhowmick, Md Shafiqul Islam, **Akhtaruzzaman AKM**. Preemptive oral paracetamol in laparoscopic cholecystectomy surgery-a comparative study. **Journal of the Bangladesh Society of Anaesthesiologists 2013; 26(1):33-38.**
27. Sabina Yeasmeen, Dilip Kumar Bhowmick, A.K.M Faizul Hoque, Montosh Kumar, Mondal, Md. Shafiqul Islam, Md, Hassanul Alam, **Akhtaruzzaman AKM**. Audit of
28. Anaesthetic Management for Lower Segment Caesarian Section (LUCS) at Term Pregnancy with Maternal Heart Disease in BSMMU. **Journal of the Bangladesh Society of Anaesthesiologists 2013; 26(2):63-68**
29. Md Shahidul Islam, Abdul Kader, **Akhtaruzzaman AKM**, Iqbal KM Effect of Hydroxyethyl Starch for preloading in pre-eclamptic patients undergoing caesarean section under sub- arachnoid block- a comparison with Hartmann solution **Journal of the Bangladesh Society of Anaesthesiologists. <http://bsabd.com/final/wp-content/uploads/2013/11/2004.pdf>**
- 2012 30. Hasan ABM, Mondal MK, Badrudozza ANM, Bhowmick DK, Islam MM, **Akhtaruzzaman AKM**, Islam MM, Comparison of three fluid regimens for preloading in elective caesarean section under spinal anaesthesia. **Mymensingh Medical Journal**2012. Jul; 21 (3), 533-540.

31. Dilip Kumar Saha, Paresh Chandra Sarker, Rashida Khanom, Anup Kumar Saha, **Akhtaruzzaman AKM**, Md. Abidul Haque. Sedation with low dose Pethidine and Diazepam in Lower Uterine Segment Cesarean Section under subarachnoid block and its effect on newborn. *ICMH Journal* 2012; 3(2):73-76.
32. Giash Uddin Ahmed, Montosh Kumar Mondal, Beauty Rani Roy, ANM Badrudozza, Sabina Yeasmeen, Dilip Kumar Bhowmick, **Akhtaruzzaman AKM**. Effects of preemptive ketamine on postoperative analgesia after total abdominal hysterectomy (TAH) under general anaesthesia. *Journal of the Bangladesh Society of Anaesthesiologists* 2012. 25:1.3-8.
33. Md Al Mamun, Lt Col Md Masudul Haque, Lt Col Md Abdul Aleem, Lt Col Khondker Iqbal Karim, Dilip Kumar Bhowmick, **Akhtaruzzaman AKM**. Effect of propofol or oral midazolam and thiopental sodium as induction agent for day care surgery- a comparative study. *Journal of the Bangladesh Society of Anaesthesiologists* 2012.25:1:9-13.
34. Mohammed Rashidul Haque, Montosh Kumar Mondal, Beauty Rani Roy, Sabina Yeasmeen, Faizul Haque, Nurul Islam, **AKM Akhtaruzzaman**. Study of Effect of Fentanyl and Tramadol added to low dose Bupivacaine in subarachnoid block for caesarean section. *Journal of the Bangladesh Society of Anaesthesiologists* 2012; 25(2):41-47.
- 2011 35. Bhowmick D K, **Akhtaruzzaman AKM**, M Shafiqul Islam, Nezamuddin Ahmed, M Mozaffar Hossain, Munirul Islam. Postoperative pain relief in children after sub-umbilical surgeries- a comparison between caudal bupivacaine and bupivacaine-clonidine. *Mymensingh Medical Journal* 2011. 20:1:93-97.
36. Nasir Uddin Ahmed, Mozaffor Hossain, **Akhtaruzzaman AKM**, Montosh Kumar Mondal, UH Shahera Khatun. Addition of clonidine or fentanyl with bupivacaine for supra-clavicular brachial plexus blocks in upper limb surgery- a randomized comparative study. *Journal of the Bangladesh Society of Anaesthesiologists* 2011. 24:1: 3-7.
37. MM Masum-Ul Haque, Montosh K Mondal, S Afroz, SS Akhter, Abdul Hye, **Akhtaruzzaman AKM**, KM Iqbal. The effect of low dose midazolam in addition to ondansetron on port-operative nausea and vomiting in laparoscopic cholecystectomy- a comparative study. *Journal of the Bangladesh Society of Anaesthesiologists* 2011. 24:1: 8-12.
38. MM A Wadud, AK Khan, Md A Hasanat, MA Samad, Md. M Islam, **Akhtaruzzaman AKM**. Induction characteristic of general anaesthesia in children- a comparative study between sevoflurane and halothane. *Journal of the Bangladesh Society of Anaesthesiologists* 2011. 24:1: 13-17.

39. Shahadat Hossain, Montosh Kumar Mondol, Beauty Rani Roy, Jesmine Akhter, **Akhtaruzzaman AKM**, WahiduzzamanMahmood. Effect of magnesium sulphate on quality of sub-arachnoid block in terms of onset and duration of motor and sensory block, APGAR score the neonate and haemodynamic status of the patient. **Journal of the Bangladesh Society of Anaesthesiologists 2011**. 24:2: 41-47.
40. Selina F, **Akhtaruzzaman AKM**, Talha KA, Hossain MM, Iqbal KM. Role of oral clonidine on intraoperative haemodynamic stability for craniotomies of intracranial space occupying lesion. **Mymensingh Medical Journal 2011**. Apr; 20 (2):257-63.
41. **National Guideline for Management, Prevention and Control of Nipah Virus Infection including Encephalitis**. Directorate General of Health Services Ministry of Health & Family Welfare Government of the People's Republic of Bangladesh.
42. Md. Manowarul Islam, Nadeem Parvez, Rabeya Begum, **Akhtaruzzaman AKM**, Subarachnoid clonidine or fentanyl with low dose hyperbaric bupivacaine for elective caesarean section – A comparative study. **J. Dhaka National Med. Coll. Hos. 2011; 17 (01): 14-17**.
- 2010 43. Jalal Uddin Ahmed, Md Shahidul Islam, Md Shafiqul Islam, Mantosh Kumar Mandal, Mohammad Sirajul Islam, **Akhtaruzzaman AKM**. Effect of pre-emptive intravenous Ketorolac and Bupivacaine infiltration on post-operative pethidine consumption- a comparative study. **Journal of the Bangladesh Society of Anaesthesiologists 2010**. 23:1: 17-21.
44. Md Shafiqul Islam, Md Tajul Islam, Dilip Kumar Bhowmick, Moinul Hossain, **Akhtaruzzaman AKM**, Shafiqur Rahman AKM Caudal Tramadol-Bupivacaine mixture for post-operative pain relief in sub umbilical surgery for children. **Journal of the Bangladesh Society of Anaesthesiologists 2010**. 23:2: 42-46.
45. **Akhtaruzzaman AKM**, Debabrata Banik, Begum Maksuda Farida Akhtar, Joy Sree Roy, Fazlul Haque ANM, Hye MA. Prolonged analgesic duration by adding midazolam and hyperbaric bupivacaine in sub-arachnoid block for lower uterine caesarean section- a placebo control study. **Mymensingh Medical Journal 2010**. 19:4. 569-575.
46. Md Abdul Hye, Khandakar Md Masud, Debasish Banik, Debabrata Banik, Fazlul Haque ANM, **Akhtaruzzaman AKM**. Intrathecal neostigmine for postoperative analgesia in caesarean section. **Mymensingh Medical Journal 2010**. 19:4. 586-593.
47. **Akhtaruzzaman AKM**. Adjuvant in central Neuraxial blocks (editorial). **Journal of the Bangladesh Society of Anaesthesiologists 2010**. 23:2: 40-41.
48. Rubina Yasmin, **Akhtaruzzaman AKM**, Sayed Akhtar Khan. Role of pre-emptive analgesia in post-operative pain management – a review of literature. **Journal of the Bangladesh Society of Anaesthesiologists 2010**. 23:2: 62-66.
49. Md Mustafa Kamal, Abdullah Al Maruf, Md Shahadat Hossain, Md Abdus Samad, Md

- Hasanuzzaman, **Akhtaruzzaman AKM**. Epidural triamcinolone for management of low back pain with radiation-a comparative study of two dose regime. **Journal of the Bangladesh Society of Anaesthesiologists** 2010. 23:1: 14-18.
- 2009 50. Begum SA, Fariduddin M, **Akhtaruzzaman AKM**, Kazal RK. Idiopathic cardiomyopathy in pregnancy: case report with brief review. **Bangladesh Journal of Medicine** 2009. 20:1:43-45.
51. **Akhtaruzzaman AKM**, Begum Maksuda Farida Akhtar, Joy Sree Roy, Satyajit Dhar, Manzoorul Haq Laskar, Badrul Alam Mandal, Ahmed Abu Saleh. Outbreak of bacterial meningitis after spinal anaesthesia in Bangladesh. **Journal of the Bangladesh Society of Anaesthesiologists** 2009. 22:1: 5-11.
52. Debabrata Banik, Quamrul Huda AK, Md Rafayet Ullah Siddique, Md Mustafa Kamal, Md Mizanur Rahman, Md Rezaul Huda, Mohammad Sirajul Islam, **Akhtaruzzaman AKM**. Audit of General Intensive Care Unit of Bangabandhu Sheikh Mujib Medical University Hospital. **Journal of the Bangladesh Society of Anaesthesiologists** 2009. 22:1: 12-15.
53. Nezam Uddin Ahmad, Farzana Khan, Sayeda Sharmin Quadir, Mizanur Rahman, Manzoorul Hoq Laskar, **Akhtaruzzaman AKM**. Conceptual prevalence in palliative care amongst the physicians of Bangabandhu Sheikh Mujib Medical University: a comparison between the post-graduate trainees and the trainers. **Journal of the Bangladesh Society of Anaesthesiologists** 2009. 22:1:26-31.
54. Debabrata Banik, Md Abdul Hye, **Akhtaruzzaman AKM**, Lutful Aziz, Sabina Yeasmeen, Iqbal KM. Effect of small dose of intermittent IV pethidine in combination with diclofenac for postoperative pain relief. **Journal of the Bangladesh Society of Anaesthesiologists** 2009. 22:2: 40-47.
55. Sabina Yeasmeen, Md Rafayet Ullah Siddique, Amirul Islam, **Akhtaruzzaman AKM**, Debabrata Banik, Md Abdul Hye. Use of labetalol and glyceryltrinitrate for induced hypotension in spine surgery-a comparative study. **Journal of the Bangladesh Society of Anaesthesiologists** 2009. 22:2: 48-53.
56. Amirul Islam, Md Rafayet Ullah Siddique, Md Mustafa Kamal, Debabrata Banik, **Akhtaruzzaman AKM**, Md Abdul Hye. Effects of hypertonic saline preloading in sub-arachnoid blockade for transurethral resection of prostate- a comparative study. **Journal of the Bangladesh Society of Anaesthesiologists** 2009. 22:2: 66-71.
57. Resham Bahadur Rana, Zerzina Rahman, Lutful Aziz, **Akhtaruzzaman AKM**, Iqbal KM. A study of epidural tramadol compared with epidural fentanyl combined with low dose bupivacaine for the control of metastatic cancer pain. **BSMMU Journal** 2009. 2: 2: 66-72.
58. Nitai Chandra Sarkar, SatyajitDhar, Md GolamMurshed, Shuhanta Kumar Sarkar,

- Akhtaruzzaman AKM**, Shafiqur Rahman AKM, Md Rezaul Alam, Mohammad Hossain. Intravenous Regional Anaesthesia Using Lignocaine and Lignocaine-Ketorolac- A Comparative Study. **Journal of ShaheedZiaur Rahman Med Coll**2009;13:1:22-29.
- 2008 59. Amirul Islam, Mozaffar Hossain, **Akhtaruzzaman AKM**, UH Shahera Khatun. Study on role of oral clonidine in laparoscopic cholecystectomy surgery- a comparative study. **Journal of the Bangladesh Society of Anaesthesiologists** 2008. 21 (1): 12-20.
60. **Akhtaruzzaman AKM**, Satyajit Dhar, Asaduzzaman AKM, Md. Abdus Samad, Manzoorul Haq Laskar, Mustafa Kamal, Md. Hye MA. Anaesthetic management for hand assisted laparoscopic enucleation of pancreatic insulinoma. **Journal of the Bangladesh Society of Anaesthesiologists** 2008. 21:1: 50-52.
61. Shohda Khatun, Motiur Rahman Molla, **AKM Akhtaruzzaman**, Md Sayedur Rahman. Effectiveness of multimodal pre-emptive analgesic therapy in maxillofacial surgery. **Bangladesh Journal of Physiology and Pharmacology** 2008.24:1-2:17-24.
62. Montosh Kumar Mandal, Shahadat Hossain, Beauty Rani Roy, Begum Maksuda Farida Akhtar, Joy Sree Roy, **Akhtaruzzaman AKM**. Role of oral ondansetron for prevention of post-operative nausea and vomiting in laparoscopy assisted gynaecological surgery- a comparative study. **Journal of the Bangladesh Society of Anaesthesiologists** 2008. 21:2: 67-71.
63. Laskar MMH, Debabrata Banik, Md Abdul Hye, **Akhtaruzzaman AKM**, Huda R. Complications of regional anaesthesia with special reference to spinal, epidural and caudal anaesthesia. **Journal of the Bangladesh Society of Anaesthesiologists** 2008. 21:2: 80-85.
- 2007 64. Farhana Selina, **Akhtaruzzaman AKM**, Talha KA. Effects of oral clonidine on stability of mean blood pressure in craniotomy. **Journal of Medical Science & Research** 2007.9:1.8-14.
65. Md Quamrul Islam, Hasina Begum, **Akhtaruzzaman AKM**, UH Shahera Khatun. Study on efficacy of Nalbuphine Hydrochloride as pre-emptive analgesic- comparison with diclofenac sodium after open cholecystectomy. **Journal of the Bangladesh Society of Anaesthesiologists**2007. 20:2: 39-44.
66. Md Abdul Karim, Debasish Banik, Abdul Hye, Quamrul Huda, Laskar MMH, Debabrata Banik, **Akhtaruzzaman AKM**. Effect of site of injection on spread of spinal anaesthesia with hyperbaric bupivacaine **Journal of the Bangladesh Society of Anaesthesiologists** 2007. 20:2: 51-55.
- 2006 67. **Akhtaruzzaman AKM**, Agarwal AK, Iqbal KM. Role of Midazolam added to low dose hyperbaric Bupivacaine in sub-arachnoid block for lower uterine caesarean section-a comparative study. **European Journal of Pain** 2006. 10:1. 199. [As



**Abstract]**

68. Md Harun or Rashid, Meftahuzzaman ASM, Manirul Islam, **Akhtaruzzaman AKM**. Comparative study of haemodynamic changes between endotracheal intubation and LMA insertion. **Journal of the Bangladesh Society of Anaesthesiologists** 2006. 19:1-2: 28-32.
69. Laila Arjumand Banu, M Taslim Uddin, **Akhtaruzzaman AKM**, ShoyelaShahnaz. Pain in Women. **Pain Journal** 2006. 2 (1-2):16-22.
70. Dilip Kumar Saha, Md Abdul Kader, Md Mostafa Kamal, **Akhtaruzzaman AKM**, Iqbal KM. Effect of low dose propranolol on perioperative stress induced haemodynamic changes in upper abdominal surgery. **Journal of the Bangladesh Society of Anaesthesiologists** 2006. 19 (1-2): 14-19.
71. Sabina Yeasmeen, Rubina Yasmin, **Akhtaruzzaman AKM**, Shahera Khatun UH. Intravenous granisetron, ondansetron and metoclopramide in the prevention and treatment of postoperative nausea and vomiting after laparoscopic cholecystectomy- a comparative study. **Journal of the Bangladesh Society of Anaesthesiologists** 2006. 19:1-2: 20-27.
- 2005 72. Iqbal Hossain Chowdhury, Hasina Begum, Asia Begum, **Akhtaruzzaman AKM**, Iqbal KM. Evaluation of tip holed spinal needle- a comparative study. **Journal of the Bangladesh Society of Anaesthesiologists** 2005. 18:1&2. 3-8.
73. Rubina Yasmin, **Akhtaruzzaman AKM**, Paresch Chandra Sarkar, Ranadhir Kumar Kundu, Iqbal KM. Pre-emptive analgesia for postoperative pain relief in children- role of paracetamol. **Journal of the Bangladesh Society of Anaesthesiologists** 2005. 18:1&2. 9-16.
74. Md Sirajul Islam, Debabrata Banik, **Akhtaruzzaman AKM**, Paresch Chandra Sarkar, Kazi Mesbahuddin Iqbal. Use of oral Bromazepam as premedicant and its effects in peri-operative period- a comparative study with oral Diazepam. **Journal of the Bangladesh Society of Anaesthesiologists** 2005. 18:1&2. 22-28.
75. Md Shahjahan, Md Shahidul Islam, **Akhtaruzzaman AKM**, Iqbal KM. Study of haemodynamic status after anti-cholinergic pre medication during electroconvulsive therapy- a comparative study between Atropine and Glycopyrolate. **Journal of the Bangladesh Society of Anaesthesiologists** 2005. 18 (1-.2): 31-37.
- 2004 76. Tripti Rani Das, Samsad Jahan, **Akhtaruzzaman AKM**, Begum SR. Post caesarean section oral feeding- comparison between early feeding with traditional feeding. **Bangladesh Journal of Medical Science** 2004. 10:01:46-48.
77. Mir Mahmud Hossain, Moinul Hossain, **Akhtaruzzaman AKM**, Kazi Mesbahuddin Iqbal. Assessment of tracheal intubation grading. **Journal of the Bangladesh Society of Anaesthesiologists** 2004. 17:1&2. 3-6.

78. Md Shahidul Islam, Abdul Kader, **Akhtaruzzaman AKM**, Iqbal KM. Effect of Hydroxyethyl Starch for preloading in pre-eclamptic patients undergoing caesarean section under sub- arachnoid block- a comparison with Hartmann's solution. **Journal of the Bangladesh Society of Anaesthesiologists** 2004. 17:1&2. 7-11.
79. Md Mozaffar Hossain, **Akhtaruzzaman AKM**, Hasina Begum, Niaz Ahmed, Md Khalilur Rahman. Foeto- maternal outcome in pre-eclamptic parturient undergoing caesarean section-influence of pre-operative control of blood pressure. **Journal of the Bangladesh Society of Anaesthesiologists** 2004. 17:1&2. 28-31.
80. Aziz Lutful, Islam Mohammad Sirajul, **Akhtaruzzaman AKM**, Hossain Hasibul, Haque AKM Azizul, Iqbal KM. Addition of opioids to local anaesthetic in brachial plexus block: comparison between morphine, pethidine and fentanyl. **Indian Journal of Pain (INDPAIN) 2004**: 18:2: 37-41
- 2003 81. ShyamaPM, **Akhtaruzzaman AKM**, Md Habibur Rahman, Md. Munirul Islam. A comparative study of lignocaine versus lignocaine-ketamine mixture in Bier's Block. **Journal of the Bangladesh Society of Anaesthesiologists 2003**. 16:1&2. 18-23.
82. Niaz Ahmed, Md Mozaffar Hossain, Rubina Yasmin, **Akhtaruzzaman AKM**, Iqbal KM. Intrathecal isobaric low dose Bupivacaine-fentanyl for transurethral resection of prostate- a comparative study with traditional hyperbaric technique. **Journal of the Bangladesh Society of Anaesthesiologists 2003**. 16:1&2. 24-29.
- 2002 83. Hasina Akhter, Md Rezaul Haque, Akhtaruzzaman AKM, Lutful Aziz, Kazi Mesbahuddin Iqbal. Combined spinal-epidural for labour analgesia- comparison of bupivacaine-fentanyl with bupivacaine-tramadol. **Journal of the Bangladesh Society of Anaesthesiologists 2002**. 15:1&2. 3-8.
84. Ranadhir Kumar Kundu, Akhtaruzzaman AKM, Paresh Chandra Sarkar, Rubina Yasmine, Iqbal KM. Evaluation of five points transfusion scoring system to determine the triggering point for per-operative blood transfusion. **Journal of the Bangladesh Society of Anaesthesiologists 2002**. 15:1&2. 22-26.
- 2001 85. Firoza Begum, **AkhtaruzzamanAKM**, Das TR, Akhtar NR, Begum SR. Effect of epidural analgesia on labour pain: a randomized comparative study with intramuscular pethidine. **The Journal of Bangladesh College of Physicians and Surgeons 2001**: 19:3; 90-97.
86. **Akhtaruzzaman AKM**, Bhavesh Chandra, Begum Maksuda Farida Akhtar, Iqbal KM. Continuous epidural infusion of fentanyl citrate and pethidine hydrochloride with low dose bupivacaine for post-operative analgesia after caesarean section- a comparative study. **Journal of Bangladesh Society of Anaesthesiologists** 2001:14: 43-48.
87. Muksudul Alam ABM, Jamal ABM, Iqbal KM. **Akhtaruzzaman AKM**. Management of postoperative pain- a comparative study. **Journal of Dhaka Medical College 2001**:

- 10:1: 1-5.
- 2000 88. Lutful Aziz, **Akhtaruzzaman AKM**. Blood transfusions and blood substitute- the recent advancements. **Bangladesh Journal of Medical Science 2000**: 6:2, 42-47.
- 1999 89. Intakhab Alam, Hye MA, **Akhtaruzzaman AKM**, Fazlur Rahman SM, Iqbal KM. Prevention of hypotension during caesarean section under subarachnoid block: comparison of ephedrine infusion with fluid preloading. **Journal of Bangladesh Society of Anaesthesiologists 1999**:12:2, 39-44.
- 1997 90. **Akhtaruzzaman AKM**, Lutful Aziz, Islam M, Iqbal KM, Mustafa MH. Continuous infusion epidural analgesia for labour- a comparison between bupivacaine-fentanyl mixture or lignocaine at late second stage of labour. **Journal of Bangladesh Society of Anaesthesiologists; 1997**; 10:1: 10-19.
91. Lutful Aziz, **Akhtaruzzaman AKM**. Reversal of Neuromuscular Blockade. **Journal of Bangladesh Society of Anaesthesiologists 1997**; 10:1: 46-51
92. Hye MA, **Akhtaruzzaman AKM**, Fazle Elahee Chowdhury AYE, Khalilur Rahman, Iqbal KM Epidural morphine for post caesarean section analgesia: comparison with traditional intramuscular bolus. **Journal of Bangladesh Society of Anaesthesiologists 1997**; 10:2: 87-91.



(Professor AKM Akhtaruzzaman)