

## **KUMAR, NEERAJ**

<b>Date of preparation:</b>	April 27, 2019
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<b>Personal Details:</b>			
Name:	Dr. Neeraj Kumar		
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Beeper:	NA	Email:	nkumar@hamad.qa
Citizenship:	Indian		
Birth date:	10/Aug/1971	Birth place:	Ranchi Bihar, India

<b>Specialty Details:</b>	
Primary Specialty:	Anesthesiology
Subspecialty:	Neuro-Anesthesia, Pain Management

<b>Familial (optional) Details</b>			
Marital status:	Married		
Spouse's name:	Dr. Tripiti Sinha		
Child's name:	Ms. Pratyaksha Sinha	Birth date:	18/11/1998
	Ms. Bhavya Kumar		02/05/2003

### **A. QUALIFICATIONS AND TRAINING**

<b>Academic Medical Qualifications</b>			
<i>Qualifications</i>	<i>Institution Name and Location</i>	<i>Dates attended (from MM/YYYY to MM/YYYY)</i>	<i>Date Awarded (DD/MM/YYYY)</i>
M.M. (Masters in Medicine, Pain Management)	University of Sydney, India	07/2008	11/2010
M.D.	Post-Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, India	07/1997	07/2000
MBBS	Rajendra Medical College and Hospital / India	08/1989	12/1995

<b>Other Relevant Qualifications</b>			
<i>Degree</i>	<i>Institution Name and Location</i>	<i>Dates attended (from MM/YYYY to MM/YYYY)</i>	<i>Date Awarded (DD/MM/YYYY)</i>
OQE (Overseas Qualifying Examination)	Royal College of Ireland		February 2006

<b>Postgraduate Training</b>			
<i>Title</i>	<i>Institution Name and Location</i>	<i>Dates held (from MM/YYYY to MM/YYYY)</i>	<i>Summary of training/experience acquired</i>
Masters of Medicine (Pain Management)	The University of Sydney, India	07/2008 to 11/2010	Completed the masters in pain medicine training.
Anesthesiology	Post-Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, India	07/1997 to 06/2000	Completed the residency training in Anesthesiology from one of the premium training and research institute in India.

## **B. LICENSURE**

<b>If with License</b>			
<i>a. Country/State</i>	<i>Number</i>	<i>Date of issue (DD/MM/YYYY)</i>	<i>Date of last registration (DD/MM/YYYY)</i>
Qatar	4094	06/07/2009	31/07/2019

## **C. PORTFOLIO OF EXPERIENCE**

<b>Hospital Positions</b>		
<i>Title</i>	<i>Institution Name and Location</i>	<i>Dates held (from MM/YYYY to MM/YYYY)</i>
Senior Consultant	Hamad Medical Corporation	07/2017 to present
Consultant	Hamad Medical Corporation	07/2011 to present
Specialist	Hamad Medical Corporation	01/2004 to 07/2011

<b>Academic Positions (Teaching and Research)</b>		
<i>Title</i>	<i>Institution Name and Location</i>	<i>Dates held (from MM/YYYY to MM/YYYY)</i>
Program Director, Anesthesiology	Hamad Medical Corporation, Qatar	12/2016 - present
Core Faculty, Transitional Year	Hamad Medical Corporation,	07/2014 to present

Program	Qatar	
Member, Transitional Year Education Committee	Hamad Medical Corporation, Qatar	07/2014 to present
Associate Program Director	Hamad Medical Corporation, Qatar	12/2013 to 12/2016
Asst. professor, Clinical Anesthesiology, WCMC-Q	Hamad Medical Corporation, Qatar	09/2013 to present
Core Faculty, Neuro Anesthesiology Fellowship	Hamad Medical Corporation, Qatar	09/2013 to present
Core Faculty, Anesthesiology Residency	Hamad Medical Corporation, Qatar	07/2009 to Present

#### **Institutional/Hospital Affiliation**

1. Primary Hospital Affiliation:	Hamad Medical Corporation
2. Other Hospital Affiliations:	NA
3. Other Institutional Affiliations:	NA

#### **Employment Status**

Name of Current Employer(s):	Hamad Medical Corporation
Employment Status:	Full-time salaried

#### **Professional Memberships**

<i>Member/Officer</i>	<i>Name of Organization</i>	<i>Dates held (from MM/YYYY to MM/YYYY)</i>
Member	American Society of Anesthesiologists	01/2015 to present
Member	Society of Education in Anesthesia	01/2015 to 2017
Member	European Airway Management Society	07/2013 to present
Member	European Society of Regional Anesthesia	10/2012 to 09/2014
Member	European Society of anaesthesiologist	06/2010 to present
Officer	Indian Medical Association and Indian Doctors Club, Doha, Qatar	06/2007 to present
Member	Research Society of Anaesthesiology & Clinical Pharmacology, India	06/2002 to present

#### **Honours and Awards**

<i>Name of award</i>	<i>Date Awarded (DD/MM/YYYY)</i>
Honors in Physiology	04/1991
Distinction in pain Mechanism and Contributors	06/2009
High Distinction in Cancer Pain	09/2009

### **D. CURRENT AND PAST RESPONSIBILITIES AND JOB PLAN**

<b>Job Plan Percent Summary</b>		
	<i>Current Percent Effort (%)</i>	<i>Does the activity involve students/researchers? (Yes/No)</i>
Teaching	10	YES
Clinical Care	70	YES
Administration	20	YES
Research		
<b>TOTAL: 100%</b>		

<b>Clinical Care</b>	
<i>Duties</i>	<i>Dates (from MM/YYYY to MM/YYYY)</i>
<p><b>Senior Consultant</b> in Anesthesiology, ICU &amp; Perioperative Medicine - Working as <b>attending physician</b> in Hamad Medical Corporation, Doha, Qatar, I provided and supervised departmental services to all the specialties and subspecialties including Accident &amp; Emergency, Anesthesia at remote location but not limited to MRI suite, CT room, and sedation for inpatients in the units and worked as a Leader for Code Blue team).</p> <p>Worked extensively in providing anesthesia for high risk patients and high risk procedures like anesthesia for neurosurgical patients.</p>	July 2017 - Present

<b>Teaching</b>	
<i>Course, role, institution, etc.</i>	<i>Dates (from MM/YYYY to MM/YYYY)</i>
<p><b>ANESTHESIOLOGY RESIDENCY PROGRAM</b>  <b>Program Director (Anesthesiology Residency program)</b>            I administer and maintain an educational environment conducive to educating the residents in each of the ACGMEI competency areas.            I maintain the residency program requirement as per the requirement set by the ACGMEI</p>	Dec 2016 - present
<p>Chair – Clinical Competency committee (Anesthesiology)            Co-Chair – Program Evaluation Committee (Anesthesiology)</p> <p>Member – Core Faculty (Anesthesia)            Core faculty (Neuro and maxillofacial anesthesia)            Transitional year education committee</p>	Jan 2014 – present  March 2009-present
<p><b>Associate Program Director (Anesthesiology)</b>            I am looking after the curriculum development, evaluation of residents and clinical and bedside teaching of the residents.</p>	Sept 2011-present

<p>I am actively involved in the initial phase of anesthesia residency program development as per the ACGME requirement.</p> <p>I discuss with the residents about their problems, academic development and provide them feedback.</p> <p>I formulated and along with the committee prepared initial draft of Anesthesia curriculum</p> <p>I have developed the anesthesia resident's evaluation forms.</p>	
<p><b>Core faculty –</b></p> <ul style="list-style-type: none"> <li>Anesthesiology residency program</li> </ul> <p>Transitional Year program</p>	<p>Sept 2011 – Present</p> <p>July 2014 - Present</p>
<p><b>Clinical bed side teaching</b> - Hamad medical Corporation, Doha, Qatar</p> <p>As an attending anaesthesiologist (<b>consultant</b>), I did Clinical bedside teaching including but not limited to demonstration of procedure, equipments, and anesthesia machine for Anesthesia residents and supervision and guidance to anesthesia specialists.</p> <ul style="list-style-type: none"> <li>I supervise anesthesia residents for provision of anesthesia and anesthesia related procedures including conduct of general and regional anesthesia, perioperative management of different ASA class patients, anesthesia at remote location and procedural sedation.</li> <li>I supervise the work of attending specialist in the operating room and provide them guidance and support for difficult and challenging cases in anesthesia.</li> <li>I am involved in regular didactic lectures of anesthesia residents.</li> <li>In addition I provide guest lectures to the surgical and medical college students and am actively involved in the clinical and bedside teaching of the medical, paramedical students and rotating residents to the Anesthesia department.</li> <li>Medical Student teaching -</li> </ul> <p>I am involved in oversight and clinical teaching of students from WCMQ</p> <p>Regular didactic teaching and airway workshop of WCMQ students</p>	<p>2011- present</p>
<p><b>Instructor – (Hamad International Training Center)</b></p> <ol style="list-style-type: none"> <li><b>Sedation Analgesia program</b> (SA-P) - (Hamad International Training Center)</li> <li><b>Pediatric Life Support</b> (European Resuscitation Council) APLS &amp; PLS</li> <li><b>Advance Evidenced- Based Medicine Workshop</b> (Hamad Medical Education)</li> <li><b>Airway management workshop</b> – Department of Anesthesiology, ICU, &amp; Perioperative medicine</li> <li><b>Vascular Simulation Course</b> (Hamad Education Centre)</li> <li><b>Ultrasound guided regional anesthesia workshop</b>–</li> </ol>	<p>2010-2015</p> <p>2010-present</p> <p>2011-2014</p> <p>2011-present</p> <p>2012-present</p> <p>2014-2016</p>

Department of Anesthesiology, ICU, & Perioperative medicine	
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<b>Administrative Role</b>	
<i>Duties</i>	<i>Dates (from MM/YYYY to MM/YYYY)</i>
HGH Corporate Medical Professional Education Committee Co-chair	Nov 2016- Present
Clinical Training improvement committee – Hamad Medical Education Member	Nov 2015- Present
<b>Perioperative Quality improvement committee at HGH -</b> I am actively involved in the perioperative quality management at HGH department on recommendation provided by the Institute of healthcare improvement (IHI). Regular involvement in Morbidity and Mortality meeting of the department Regular active participation in the Journal club and departmental grand rounds	January 2014- Present
Corporate Anesthesiology, ICU & Perioperative Medicine Management Team - Member	Jan 2014- present
<b>Chair Person</b> -(Regulatory and Accreditation Department- Policy and Procedure committee–Anaesthesia and Surgical care committee) I chair the committee looking after provision of new and review of existing policies related to 'anaesthesia and Surgical Care' chapter as per the requirement of the standards set by the Joint Commission International (JCI).	Sep 2011 – Sep 2015
Member ( <b>Record Review Committee</b> ) – Anesthesia, Hamad General Hospital I review the closed record and use the data for quality management and better documentation of the data and records.	March 2009 – present

<b>Research</b>	
<i>Description</i>	<i>Dates (if applicable, from MM/YYYY to MM/YYYY)</i>
<b>Completed/ On-going IRB/MRC approved Research Projects</b>	
Computed tomographic assessment of gastric volume in patients with suspected acute appendicitis	Mar2017- to May 2018
Assessing risk factors for Post-operative complications in Patients underwent open or laparoscopic appendectomies in HGH	Sep 2015-May 2018
Factors that determine the incidence of decompressive hypotension in TBI, retrospective study	Aug 2015-July 2018
Peri-operative care for femur fracture patients going for surgery. Pre-	Mar 2015

and post-educational intervention	
Does difficult mask ventilation reflects a difficult intubation in bariatric surgeries; a prospective study	Feb 2014 –Dec 2017
Short Neck, a new criterion for airway assessment A pilot, cohort single blind study	Jan 2018- Dec 2018
RCT – triple blinded study on effect of dexamethasone added in TAP block for laparoscopic appendectomy	April 2019 - present
"Does difficult mask ventilation reflects a difficult intubation in bariatric surgeries; a retrospective study"	Feb 2012 –Oct 2013
I did an audit in Hamad general hospital regarding conduct of anesthesia in patients undergoing surgery for kyphoscoliosis. We suggested to the department that these extensive procedures require presence of two anesthetists and since then the recommendation is effective in the hospital.	2006
I did a research titled "Paramedian Lumbar Epidural Catheter Insertion with Patients in the Sitting Position Is Equally Successful in the Flexed and Unflexed Spine"	Jan 2000-June 2000
I did a research (thesis during residency for MD degree) titled "comparison of epidural bupivacaine with combination of bupivacaine and clonidine in patients undergoing lower limb orthopaedic surgery"	Jan 1999-Dec 1999
Proposals submitted for research- Estimation of CT guided gastric volume in patients undergoing appendectomy RCT – Comparison of bupivacaine dexamethasone combination with bupivacaine alone during TAP block in patients undergoing appendectomy	
I am interested in doing research in the field of regional anesthesia, Pain and quality improvement projects.	

## **E. BIBLIOGRAPHY**

### **1. Articles in professional peer-reviewed journals**

1. Making cricothyroid membrane a part of routine pre-op airway assessment. A Karmakar, Neeraj Kumar. J Clin Anesth. 2019;57:74 PMID:30889509
2. Preoperative steroids triggering diabetic ketoacidosis in the neurosurgical patient. Rahman SA, Karmakar A, Almustafa MM, Kumar N. J Clin Anesth. 2018; 46: 33-34. PMID 29414610

3. Karmakar A, Ibrahim H, Khanna M, Kumar N. Precipitous airway obstruction in acute retropharyngeal hematoma: Implications for cervical fracture victims. Review Article-Medical and Clinical Archives (MCA) August 14, 2017
4. N. Kumar D. Soekarman R. Singh M.M. Bashah A.B. Abou Samra M.A.E. Marcus. Peri-operative pain in patients experiencing bariatric surgery. Review Article-Medical and Clinical Archives (MCA) June 15, 2017
5. Habib F, Mehta T, Aliyar AL, Youssef AS, Khan A, Kumar N. Central Neurogenic Hyperventilation with Acute Respiratory Alkalosis, Transient Lactic Acidosis and Tachycardia Following Endoscopic Third Ventriculostomy in a Child- A Case Report. Global Journal of Medical Research 2016;16(5):1-6
6. Peri-operative care of patients with proximal femur fracture; Abdul Rahman, T. Baykuziyev and N. Kumar; Anaesthesia 2017, 72(Suppl. 4), 10–88
7. Reducing incidence of immediate post-operative hypothermia on arrival in the post anaesthesia care unit; Abdul Rahman, N. Kumar, M. Al Yousef, Y. Hammad and L. Marcus; Anaesthesia 2017, 72(Suppl. 4), 10–88
8. Kumar N., Soekarman D., Singh R., Bashah M., Abou Samra A., Marcus M. The peri-operative pain-curve of bariatric surgery. Eur J Anaesthesiol. 2016;33(54): Poster 10AP04-11
9. Kumar N, Yakout Ibrahim HI, Khanna M. Rapidly progressive complete airway obstruction by acute retropharyngeal hematoma, Journal of Emergency Medicine, Trauma & Acute Care, International Conference in Emergency Medicine and Public Health – Qatar 2016:26  
<http://dx.doi.org/10.5339/jemtac.2016.icepq.26>
10. Kumar N., Ibrahim H., Khanna, M. Rapidly Progressive Complete Airway Obstruction by Acute Retropharyngeal hematoma. *Journal of Emergency Medicine, Trauma & Acute Care*, International Conference in Emergency Medicine and Public Health – Qatar 2016:2  
<http://dx.doi.org/10.5339/jemtac.2016.icepq.26>
11. Khan ES, Rahman SA, Kumar N. Acute brachial artery thrombosis with diabetic ketoacidosis, Journal of Emergency Medicine, Trauma & Acute Care, International Conference in Emergency Medicine and Public Health – Qatar 2016:52 <http://dx.doi.org/10.5339/jemtac.2016.icepq.52>
12. Habib F, Mehta T, Aliyar AL, Youssef AS, Khan A, Kumar N. Central neurogenic hyperventilation with acute respiratory alkalosis, transient lactic acidosis and tachycardia following endoscopic third ventriculostomy in a child, Journal of Emergency Medicine, Trauma & Acute Care, International Conference in Emergency Medicine and Public Health – Qatar 2016:65  
<http://dx.doi.org/10.5339/jemtac.2016.icepq.65>
13. Kumar N., Soekarman D., Singh R., Bashah M., Abou Samra A., Marcus M. The peri-operative pain-curve of bariatric surgery. Eur J Anaesthesiol. 2016;33(54): Poster 10AP04-11



14. Panda NB, Batra Y, **Kumar N**, Chari P. Anaesthetic Implications of a case of mucopolysaccharidosis. *Journal of Anaesthesiology, Clinical Pharmacology*. 2005;21(1):83
15. Podder S, **Kumar N**, Yaddanapudi LN, Chari P. Paramedian lumbar epidural catheter insertion with patients in the sitting position is equally successful in the flexed and unflexed spine. *Anesthesia and Analgesia*. 2004;99(6):1829-32.
16. **Kumar N**, Podder S, Sinha T, Puri G. Acute hyperventilation leading to hypocalcaemia during spinal anaesthesia. *Southern African Journal of Anaesthesia & Analgesia*. 2004;10(1):29-30
17. **Kumar N**, Sinha T, Grover VK. No touch technique for spinal needle insertion. *International Journal of Obstetric Anesthesia*. 2003;12(4):310.
18. Grover VK, **Kumar N**, Yaddanapudi LN, Sinha T, Srinivas CV. Evaluation of cognitive functions in patients under-going open heart surgery. *J Anaesth Clin Pharmacol* 2003; 19(3): 301-305.
19. Grover VK, **Kumar N**, Sinha T. Interventional neuroradiology – anaesthetic considerations. *J Anaesth Clin Pharmacol* 2003;19(4): 361-367.
20. Jain K, **Kumar N**, Sinha T. Nerve blocks for foot surgery. *Journal of Foot Surgery (Ind)* XVI(2) Dec,2001: 130-134

**2. Abstracts (Optional, List 10-20 best or most recent only)**

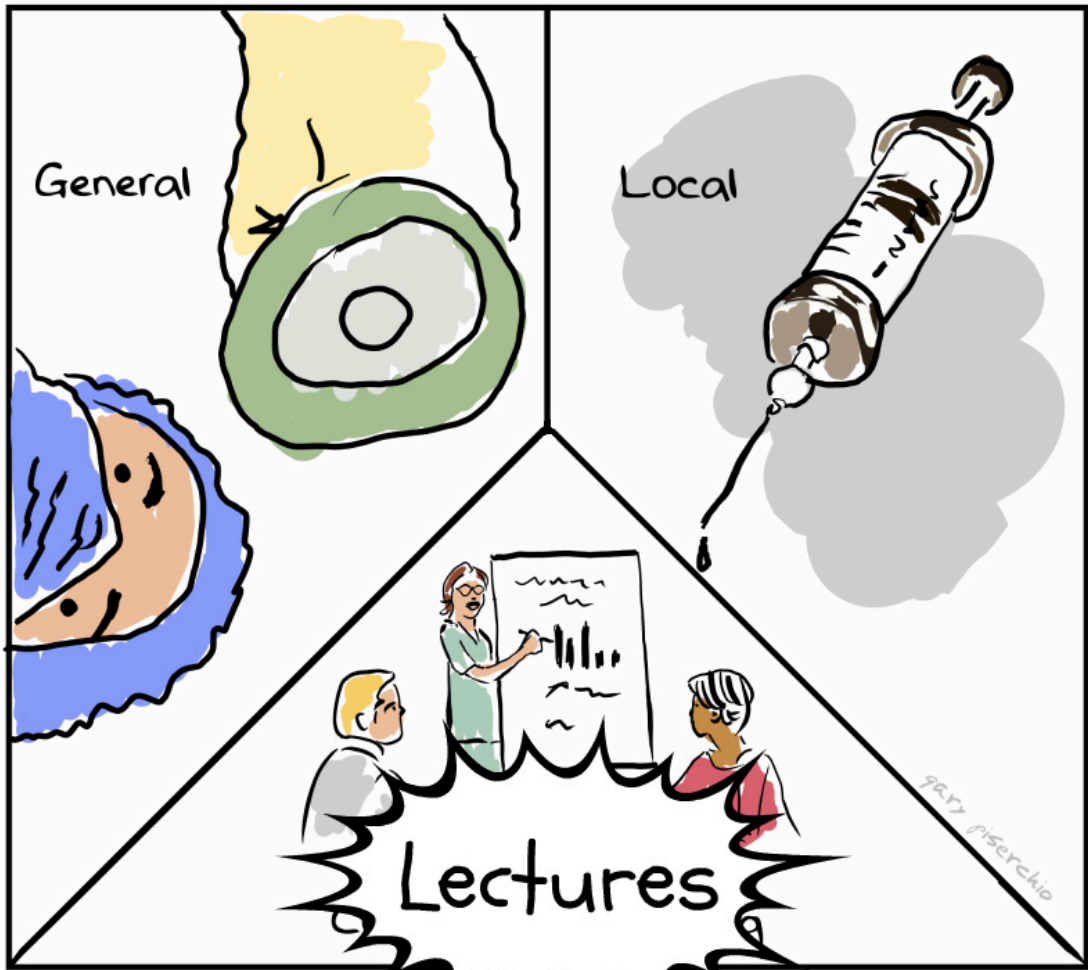
None

**3. Presentations (Optional. Other than invited lectures. List 10-20 best or most recent only)**

- a) Invited lecture – ISNACC 2017 (Indian society of neuroanesthesia and critical care 217) – Anesthetic challenges – Patients with spinal cord injury.
- b) Poster presentation – ISNACC 2017 (Indian society of neuroanesthesia and critical care 217) - coauthor
  - Diabetic Ketoacidosis in the Neurosurgical patient : The steroid conundrum
  - Airway Management in Cervical Spine Disease: Audit in a tertiary care hospital
  - Central Neurogenic Hyperventilation With Acute Respiratory Alkalosis, Transient Lactic Acidosis and Tachycardia following Endoscopic Third Ventriculostomy in a Child- A Case Report
- c) Poster presentation - International Conference in Emergency Medicine and Public Health- Qatar 2016
  - “Acute Brachial Artery thrombosis with Diabetic Ketoacidosis”

- "Central neurogenic hyperventilation with acute respiratory alkalosis, transient lactic acidosis and tachycardia following endoscopic third ventriculostomy in a child"
  - "Rapidly progressive complete airway obstruction by acute retropharyngeal hematoma"
- d) Indian Society Of Anesthesiologist Annual Conference 64th ISACON 2016, Ludhiana, India: Invited lecture - Perioperative Quality Indicators
- e) Dr. Sujith M. Prabhakaran<sup>1</sup>, Dr Syed Sheik, Mr. Corazu Salta, Dr Neeraj Kumar (co-author), Ms. Somayah Ibrahim, Ms. Jeny Jacob, Ms. Kobra Mohammed,, Ms. Lijomol Joseph Dr. Samina Khan, Dr. William Andrews. Liberation from Physical Restraint in Surgical intensive Care Unit. 2016
- f) Middle East forum on quality and safety in healthcare (IHI & HMC) - 29-31st May 2015. Author - Poster Presentation
- Timely prophylactic antibiotics administration in surgical patients
  - Educate, Empower, Engage: A Collaborative multidisciplinary Call to improve compliance with surgical checklist
  - Improving Glycemic Control in Diabetic Surgical Patients
- g) European Society of Anesthesiology 2016 - "The Perioperative pain-curve of bariatric surgery"
- h) HMC Annual Research Day 1st December 2015 - Poster presentation;
- Central Neurogenic Hyperventilation after endoscopic ventricular surgery;
  - Pain after bariatric surgery - a systematic review
- i) Chaired session (free paper presentation) - Annual Pediatric Anesthesia conference – Indian society of Pediatric Anesthesiologists - Chandigarh, India. (2015)
- j) Poster presentation – 2<sup>nd</sup> Qatar patient safety week (2015)
- k) Poster presentation – 1<sup>st</sup> Qatar International Pain Conference (QIPC)– Chronic abdominal pain after bariatric surgery. (2015)
- l) Chaired session in 1<sup>st</sup> Qatar International Pain Conference (QIPC) - Neuromodulation (2015)
- m) Presentation in regional conference – Annual Pediatric Anesthesia Conference – Indian Society of Pediatric Anesthesiologists -Chandigarh, India – Anesthetizing a Child – General or Pediatric Anesthesiologists (2015)
- n) RSACPCON, Chandigarh, India - 2015- guest faculty - lecture - intraoperative hypotension on postop outcome, Session chaired:
- ANS and Anesthesiologists
  - Postoperative Management of Bariatric Surgical Patients
- o) Middle east forum on quality and safety in healthcare (IHI & HMC) - 24-27 April 2014

- Reinforcement of surgical safety checklist in all the theatres of Hamad General Hospital
  - Timely prophylactic antibiotics administration in surgical patients
- p) Moderator of panel discussion in regional conference – NZISACON, Jammu, India. Perioperative Quality improvement. (2014)
- q) Presentation in regional conference – NZISACON 2014, Jammu, India. "WHO surgical safety checklist" (2014)
- r) Poster - Prophylactic Antibiotics in Surgical Patients "Improving compliance with 00-60 minutes window"  
[http://ihime2014.hamad.qa/en/images/HMC\\_010N.pdf](http://ihime2014.hamad.qa/en/images/HMC_010N.pdf)
- s) Poster - Surgical Safety Checklist "Improve compliance with proper use of safety checklist" [http://ihime2014.hamad.qa/en/images/HMC\\_060N.pdf](http://ihime2014.hamad.qa/en/images/HMC_060N.pdf)
- t) Poster - Poster presentation – Difficult airway in Bariatric Anesthesia, retrospective study – 4th NWAC 2013, Bangkok, Thailand  
<http://www2.kenes.com/nwac2013/scientific/Documents/website%20program%2023%20April%202013.pdf>
- u) Poster - Algorithm in difficult ventilation in unpredicted difficult airway – 2nd European Airway Congress –Istanbul, Turkey. (2013)
- v) Faculty – workshop (Ultrasound in anesthesia) – 14<sup>th</sup> Annual conference of Indian society of Anesthesiologists (North Zone), Mullana, Haryana, India – October 2013
- w) Faculty – workshop (Ultrasound in anesthesia) – 13<sup>th</sup> Annual conference of Indian society of Anesthesiologists (North Zone), Chandigarh, India – 12-14 October 2012
- x) Paper presentation – "comparison of epidural bupivacaine alone with combination of bupivacaine and clonidine in patients undergoing lower limb orthopedic surgery" in the 48<sup>th</sup> annual conference of Indian society of Anesthesiologists, Nagpur, India – 2000



**Three forms of anesthesia.**

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