

Curriculum Vitae

Part I: General Information

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Name: Bhavani Shankar Kodali

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Education:

1976	M.B.B.S	JIPMER, University of Madras, India
1981	MD	JIPMER, University of Madras, India (Anesthesiology)

Postdoctoral training:

1977	Compulsory rotating Internship, Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Pondicherry, India
1978-81	Anesthesia resident, JIPMER, India
1993-94	Internship at MetroWest Medical Center, Framingham, MA, USA.
1994-95	Anesthesia Resident, Brigham and Women's Hospital, Harvard Medical School, Boston, MA
1996-98	Anesthesia Resident, Brigham and Women's Hospital, Harvard Medical School, Boston, MA
1994-1995	Clinical Fellow in Anaesthesia, Harvard Medical School, Boston, MA
1996-1998	Harvard Medical School, Boston, MA
1998	Fellow in Obstetric Anesthesia, (6 months) Brigham and Women's Hospital, Harvard Medical School, Boston, MA

Licensure and Certification:

1978	Full Medical practice license in India
1982	Full Medical practice license in Guyana
1983	Full Medical practice license in Barbados
1992	ECFMG certification
1993	FLEX certification
1996	Commonwealth of Massachusetts, Board of Registration and Discipline in Medicine.
1999	American Board of Anesthesiology Certification
2008	Brigham and Women's Hospital and Harvard Business School Leadership Certification

Academic Appointments:

1981-82	Senior Registrar, JIPMER, Pondicherry, India.
1986-93	Associate Lecturer University of West Indies, Barbados.
9/1998 – 12/1998	Instructor of Anaesthesia Harvard Medical School. Boston, MA
1/1999- 12/2002	Assistant Professor of Anaesthesia Harvard Medical School, Boston, MA
2003-	Associate Professor of Anaesthesia Harvard Medical School, Boston, MA

Hospital or Affiliated Institution Appointments:

1981-82	Senior Resident in Anesthesiology, JIPMER, Pondicherry, India
1982 -1983	Anesthesiologist, McKenzie Hospital, Guyana Mining Enterprise, Linden, Guyana, South America
1983 -1985	Senior Registrar in Anesthesia, Queen Elizabeth Hospital, Barbados, West Indies
1985 - 1993	Attending Anesthesiologist, Queen Elizabeth Hospital, Barbados, West Indies
1995 - 1996	Attending Anesthesiologist, Queen Elizabeth Hospital, Barbados, West Indies
1998	Staff Anesthesiologist, Brigham and Women's Hospital, Boston, MA

Major Administrative Responsibilities:

1982-1983	Chief of Intensive Care Unit. Linden Hospital, Guyana Mining Enterprise Hospital, Guyana, South America
1989-1993	Senior Consultant, Queen Elizabeth Hospital, Barbados, West Indies
2006-2008	Associate Clinical Director, Department of Anesthesiology
2008-	Member of Faculty Board, Department of Anesthesiology
2008-	Clinical Director Department of Anesthesiology Brigham and Women's Hospital

Major Committee Assignments:

Guyana Mining Enterprise Hospital, Linden, Guyana

1982-1983 Intensive Care Committee. Chief person responsible for establishing a four bed Intensive Care Unit at Linden,

Queen Elizabeth Hospital, Barbados, West Indies.

1988-1993 Intensive Care Nurses training Committee -
Teacher/Examiner

1988-1993 Advisor to the Hospital Equipment Purchase Committee
(Anesthesia)

1987-1993 Advisor to the Committee responsible for refurbishing
operating rooms and establishment of Intensive Care Unit
under World Bank loan in Barbados.

1985-1993 Advisor for recruiting personnel to the Department of
Anesthesia from Overseas

Brigham and Women's Hospital, Boston, MA

2000-2005 Transfusion Committee Member
Brigham and Women's Hospital

2003-2005	Director, Clinical Competency, Faculty Development, Department of Anesthesiology and Perioperative Medicine.
2005-	Member of staff Recruiting Committee, Department of Anesthesiology Brigham and Women's Hospital
2005-6	Brigham and Women's Physicians Organization Award Selection Committee
2008-	First case on time start (FCOT) Committee Operating Room Brigham and Women's Hospital
2008-	Operating Room Committee Brigham and Women's Hospital
2008-	Operating Room Capacity Committee Brigham and Women's Hospital
2008-	Operating Room Steering Committee Brigham and Women's Hospital
2008	Post Anesthesia Care Unit Reconstruction Planning Committee Brigham and Women's Hospital

National Committee Appointment:

2002-2007	Appointed by the President Elect of American Society of Anesthesiologists (ASA) to the Subcommittee on Equipment, Monitoring, and Engineering Technology to oversee the implementation of the goals of the Society.
2008-	Appointed by the President Elect of American Society of Anesthesiologists (ASA) to the Subcommittee on Patient Safety and Practice Management to oversee the implementation of the goals of the Society
2008-	Chairman of Society of Obstetric Anesthesia and Perinatology (SOAP) website task force.

Professional Society involvement:

1978-1993	Indian Society of Anaesthetists, Member
1983-	Barbados Society of Anaesthetists; Member
1985-	National Association of Critical Care Medicine, India; Member
1987-1994	Association of Anaesthetists of Gr. Britain and Ireland; Member
1994-	American Society of Anesthesiologists; Member
1994-	International Anesthesia Research Society; Member
1994-	Massachusetts Society of Anesthesiologists; Member
1998-	Society of Obstetric Anesthesia and Perinatology; Member

Community Service Related to Professional Work:

Barbados

1984	Medical Coordinator for First International Barbados Marathon run. Member of emergency medical team providing emergency care to participants of initial events of “International Marathon runner” competition in Barbados. Emergency care was necessary for several visitors who were extensively dehydrated due to lack of acclimatization to tropical climate. In later years, better acclimatization by the participants to tropical climate, and training of emergency physicians to provide care, did not require anaesthesia group participation
1992	Key participant in Public Education Participated in a short video film on “Educating the public regarding Anaesthesia”, produced by Government Information Service of Barbados, 1992. This TV program was televised on the Island’s television network twice so far.
2007	Educational interview for public television, ETV India, on obstetric anesthesia for pain free delivery. Can be viewed at http://www.mychildbirth.us/Telugu/etvinterview.htm
2008	Public Television Program “Good Morning Barbados” on pain free birthing to provide public with pain relief options during childbirth.

Editorial Boards:

1996-	Consultant Reviewer: Capnography related articles for “Anesthesia and Analgesia”
2001	Guest Editor: "Anesthesia And Analgesia

2002-	Reviewer for Capnography related articles for "Anesthesiology"
2002-	Appointed as referee to "European Journal of Anaesthesiology"
2002-	Appointed as referee to "Postgraduate Medicine."
2007-	Appointed as referee to "Chest"
2007-	Reviewer for Journal Surgical Laparoscopy, Endoscopy and Percutaneous Techniques
2007-	Reviewer for International Journal of Obstetric Anesthesia
2008	Reviewer for Journal of Clinical Anesthesia
2008-	Reviewer for Indian Journal of Medical Sciences
2008-	Reviewer for Journal Clinical Anatomy
2008-	Reviewer for Journal Simulation in Health
2008-	Minerva Anesthesiologica

Awards and Honors:

1981	Indian Society of Anaesthetists (Pondicherry Branch) medal for outstanding anesthesia resident.
1992	British Journal of Anesthesia International Scholarship for the year 1992.
1997	Foundation of Anesthesia Education and Research (FAER) scholar 1997.
2002	'Awards in Excellence' presented by the Faculty of Brigham and Women's Hospital, Department of Anesthesiology, Perioperative Pain Medicine for outstanding contribution.
2002	"Special Award" presented by the "Postgraduate Assembly in Anesthesiology" for exhibit entitled "Education in the new millennium" at the Annual Meeting held in New York, December 6 th – 10 th , 2002.
2004	Teacher of the Year Award"
2004	Brigham and Women's Physician Organization (BWPO) "Clinical Innovation Award". This award is presented to the outstanding contributions to the Brigham and Women's clinical community in the area of clinical innovation.
2007-2008	Selected by the Brigham and Women's Hospital to undergo the first cohort executive leadership training program. This is an intensive executive training program designed and conducted by Harvard Business School, Boston, MA to provide future leadership for the organization. This program has been successfully completed.

Certificates of training:

2006-	Advanced Cardiac Life Support Instructor
2007	Advanced Trauma Life Support
2007	WMD / Hazardous Material Response course
2007	Crisis Resource Management for Academic Anesthesiologists
2007-8	Brigham and Women's / Faulkner Physician Leadership Program

A: Narrative Report of Clinical Practice:

Brigham and Women' Hospital:

As a fellow in Obstetric anesthesia, I was a team leader in assigning day to day clinical responsibilities to residents in the labor and delivery section as well as operating room division. In addition, I was actively involved in the provision of anesthesia care to high risk obstetric patients as well as patients requiring In-vitro-fertilization.

At the conclusion of obstetric anesthesia training, I was appointed as staff anesthesiologist at Brigham and Women's Hospital. Major responsibility includes provision of anesthesia care (sub-specialty) to obstetric patients. Brigham and Women's being a high risk obstetric referral center, a substantial number patients fall into high risk category requiring anesthesia care during delivery. Recently, a new dimension to obstetric anesthesia care has been added, which is providing care to patients undergoing in-uterus fetal surgery.

In addition to subspecialty care of obstetric anesthesia, a portion of time is spent in providing anesthesia care in main operating rooms, which includes general surgical, thoracic and vascular patients, as well to patients out side of main operating room in areas such as in MRI and CT scan.

As a member of transfusion committee, I was actively involved with other members in revising and implementing several policies in compliance with JACHO to enhance safety of transfusions in various circumstances. A protocol to facilitate rapid delivery of blood products to the obstetric operating rooms for hemorrhagic emergencies was facilitated during my tenure.

As a member of 'Brigham and Women's Physician Organization Recognition Award Committee', I was required to select the most highly qualified and deserving candidate for an award in each category from several nominations received.

I have been appointed as Clinical Director for the department of Anesthesiology in October 2008. This is multifaceted job that includes overseeing day to day clinical anesthesia operations, scheduling anesthesiologists to various locations (45), managing welfare of over 200 anesthesiology staff, residents and fellows, approval of vacations, scheduling proper anesthesiologists for complex cases, resolving disputes between various groups in the operating rooms, monitoring a variety of personality conflicts and behaviors, establishing short term and long term strategies for improving the overall anesthesia delivery services, attending several interdisciplinary meetings, and strategic planning committee meetings. I have already implemented several changes in the clinical operations. This includes, revamping of day sheet, automatic insertion of call schedule in day sheets, organizing the anesthesiology

command center with wide screen display monitors, establishing the need for centralization of anesthesia work room, suggesting changes to post anesthesia care unit (to be built), addition of late resident schedule to the main operating schedule, and enhancing safety of out of the operating room anesthesia locations.

I also function as anesthesiologist in-charge for 45 operating room locations being covered by residents, fellows and staff anesthesiologists. The clinical duties include providing advice and backup where needed, and generally the first person to be called upon when anesthesia problems occur. In addition, it involves huge responsibility of coordinating surgeons, nurses, anesthesiologists and technical force. Several times, it is also required to intervene and prevent personality and management conflicts that are expected to arise when managing such a large group of operating location personnel.

B. Funding Information

Years covered	Funding source	PI/Co-PI	Grant Title
1998-1999	Abott Inc.	PI	Do rapidly administered intermittent epidural boluses provide better labor analgesia?
1998-2000	Anesthesia Research Foundation	Co-PI	Arterial and end tidal CO ₂ difference during laparoscopic surgery in pregnancy
1999-2005	Haemoscope Inc.	PI	Thromboelastography in parturients receiving magnesium
1999-2005	Haemoscope Inc.	Co-PI	In vitro fertilization induced changes in coagulation using thromboelastography
1999-2005	Haemoscope Inc.	PI	How does amniotic fluid affect coagulation?
1999-2005	Self	PI	Website - Capnography and Pain free birthing
2004-2006	Helena Laboratories	PI	The evaluation of a novel whole blood platelet function test in parturients with preclampsia.
2005-2006	Sentec AG	PI	Correlation between transcutaneous CO ₂ monitoring and arterial PaCO ₂
2005-2007	Cardiopulmonary Technologies, Inc.	PI	Evaluation of novel capnography techniques
2006-2009	Respronic Inc.	PI	Evaluation of non-invasive physiological parameters during aortic cross clamping
2008-2009	Masimo Technolgy, Inc	PI	Prediction hypotension during spinal anesthesia from preoperative PI and PVI

			noninvasive pulse oximetry variables
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C. Report of Current Research Activities

Principal Investigator

Arterial to End-tidal Carbon Dioxide Differences during Anesthesia of Thoracoscopic Surgery - PI
 Evaluation of a Novel Whole Blood Platelet Function Test in Parturients - PI
 Anesthetic Considerations in Fetal Surgery - PI
 Correlation between Transcutaneous CO2 Monitoring and Arterial PaCO2 - PI
 Coagulation Profile of the Blood used for Epidural Blood Patch – PI
 Low Platelets in Pregnancy. How Low is Good Enough? – PI
 How do Pregnant Women obtain Information about Pain Relief Methods for Labor and Delivery? A Survey – PI
 Evaluation of Non-Invasive Physiological Parameters during Aortic Cross Clamping – PI
 Prediction hypotension during spinal anesthesia from preoperative PI and PVI noninvasive pulse oximetry variables – PI

Society of Obstetric Anesthesia and Perinatology Gertie Marx Award:

I directed one investigation entitled “Comparison of activated clotting time, thromboelastogram, and Anti-Xa assay in detecting decline of therapeutic concentration of enoxaparin”. I was the mentor for the resident/fellow Macaila Farber MD. This clinical work won the prestigious Gertie Marx Resident Award at the annual society meeting in 2008.

Co-investigator:

Duration of the supine position after an epidural blood patch.
 General anesthesia for cesarean delivery. What is the etiology?
 Complementary and alternative medicine use in patients undergoing In-vitro Fertilization procedures.
 Oxytocin versus calcium for uterine tone enhancement following cesarean delivery.
 Evaluation of next generation of capnographs

C. Self Report of Teaching:

1 - Local Contributions:

C. Local invited teaching presentations

Grand Rounds: Brigham and Women's Hospital

1996	Capnography in Clinical Practice Lecturer: 100 participants, 2 hours contact time per year 5 hours prep time per year
1997	Capnography Lecturer: 100 participants, 2 hours contact time per year

1998 5 hours prep time per year
Clinical Conference on "Spinal after for failed epidural analgesia in Obstetrics"
Lecturer: 100 participants, 1 hour contact time per year
2 hours prep time per year

1998 Airway in pregnancy is as important to Obstetricians as to Anesthesiologists.
Lecturer: 50 participants, 1 hour contact time per year
6 hours prep time per year

1998 12 sessions of high risk weekly Obstetric anesthesia rounds--
February 98 to July 98.
Lecturer: 18 participants, 1 hour contact time per year
2 hours prep time per year

1998- 70 clinical conferences / problem based learning sessions and
lectures to Obstetric anesthesia residents and fellows at
afternoon conferences.
Lecturer: 20 participants, 1 hour contact time per year
2 hours prep time per year

1998 Capnography in clinical practice
Lecturer: 100 participants, 1 hour contact time per year
5 hours prep time per year

1999 Coagulation issues in Obstetrics.
Lecturer: 100 participants, 2 hours contact time per year
4 hours prep time per year

1999 Capnography
Lecturer: 100 participants, 1 hour contact time per year
4 hours prep time per year

2000 Capnography
Lecturer: 100 participants, 1 hour contact time per year
4 hours prep time per year

2001 Lecture: " Understanding Capnography via web"
Beth Israel Deaconess Medical Center, Boston, MA
Lecturer: 90 participants, 1 hour contact time per year
6 hours prep time per year

2001 Learning capnography via Web.
Lecturer: 100 participants, 2 hours contact time per year
8 hours prep time per year

2002 Grand rounds lecture: "Capnography: What one should know"
Massachusetts General Hospital, Boston, MA
Lecturer: 140 participants, 1 hour contact time per year
4 hours prep time per year Preparation time: 8 hours
140 Attendees.

2002 Clinical Conference: Anesthesia outside operating room
Teaching via animated gif. Files.
Lecturer: 100 participants, 2 hours contact time per year
12 hours prep time per year

2002 Clinical Conference: Air in the Epidural Space
Presentation using gif. Files.
Lecturer: 100 participants, 2 hours contact time per year
20 hours prep time per year

2002 Capnography: What one should know.
Preparation time: 4 hours
100 attendees

2003 Clinical conference on Anesthesia in the MRI suite for
peritracheal mass ablation
Lecturer: 100 participants, 1 hour contact time per year
3 hours prep time per year

2003 Physiology of Capnography: Grand rounds
Lecturer: 100 participants, 1 hour contact time per year
6 hours prep time per year

2004 A whip of nitrogen or grain of salt.
Lecturer: 100 participants, 2 hours contact time per year
20 hours prep time per year

2006 Laparoscopic Surgery in Pregnancy
Lecturer: 100 participants, 1 hour contact time per year
3 hours prep time per year

2007 Introduction to Capnography
Lecturer: 40 participants, 1 hour contact time per year
3 hours prep time per year

2008 Essentials of monitoring during sedation for the Nurses of
Endoscopy, Brigham and Women's Hospital.
Lecturer: 30 participants
2 hours prep time per year

2008 Introduction of Capnography to Respiratory Therapists
Lecturer: 25 participants
2 hours of prep time

2008 Tip of Iceberg. Critical Obstetric Nursing
Critical Care Nursing, Brigham and Women's Hospital.
Lecturer: 30 participants
4 hours preparatory time.

2009 Effect of carbon dioxide pneumoperitoneum on the baby
Department of Anesthesiology
Lecturer: 100 participants
1 hour preparation time

2009 Physiology of Laparoscopy – Should we be using
vasopressin?
Center of Infertility and Reproductive Surgery
Brigham and Women's Hospital
Lecturer: 12
4 hour preparation time

The above listings are only major lectures / grand round lectures. The monthly lectures and weekly afternoon conference lectures that are attended by about 15 to 20 residents and fellows are not listed above due to substantial numbers. The topics cover wide range of obstetric anesthesia series.

2. **Regional, National or International contributions:**

a. Invited Presentations

- 1986 Arterial to end-tidal CO₂ difference during general anaesthesia for tubal ligation. First Caribbean Anesthetists Conference - Barbados
- 1986 Halothane and topical cocaine/epinephrine: Is it safe in nasal surgery? First Caribbean Anesthetists Conference - Barbados
- 1986 Compensation for stress in marathon runners. First Caribbean Anesthetists Conference - Barbados
- 1986 Can compressed air/oxygen replace N₂O/oxygen in general anaesthesia. First Caribbean Anesthetists Conference - Barbados
- 1987 Low dose ketamine for dilatation and curettage. Second Caribbean Anesthetists Conference - Barbados
- 1987 A review of arterial to end-tidal carbon dioxide tension difference during pregnancy. Second Caribbean Anesthetists Conference - Barbados
- 1987 Multicenter drug trial of "Diprivan", a new intravenous induction agent by ICI limited, UK. Second Caribbean Anesthetists Conference - Barbados
- 1987 Lecture: "Capnography".
Department of Anesthesia,
JIPMER
Pondicherry, India
- 1987 Assessment of Bain circuit in obese patients. Second Caribbean Anesthetists Conference - Barbados
- 1987 Carotid sinus hypersensitivity. A case report. Second Caribbean Anesthetists Conference - Barbados
- 1988 Anesthesia Budget. Expenditure involved in staffing anesthesia department at Queen Elizabeth Hospital, Barbados. Third Caribbean Anesthetists Conference - Barbados
- 1988 Changes in serum potassium following Diprivan and succinylcholine. Third Caribbean Anesthetists Conference - Barbados
- 1989 Lecture: "Arterial to End-tidal CO₂ difference in pregnancy"
Department of Anaesthesia,
Mater Hospital, Dublin, Ireland
- 1990 End-tidal carbon dioxide estimations in pregnancy. 39th

- 1992 Indian Society of Anaesthetists Conference
Lecture: "Physiology and clinical applications of
Capnography"
Department of Anesthesia,
Maricopa Medical Center,
Phoenix, Arizona, USA
- 1992 The computerized auditing of disposable anaesthetic
equipment and anaesthetic drugs. Deuxieme Journees
Internationales d'anesthesie-reanimation. Conference held in
Martinique
- 1992 Conference presentation: Monitoring a ventilated patient.
Fourth Barbados Society of Anaesthetist Conference,
Barbados, West Indies
- 1993 Monitoring a ventilated patient. Fourth Barbados Society of
Anaesthetists Conference
- 1993 Cost evaluation for use of Isoflurane in low flow circuit with
air and oxygen. Fourth Barbados Society of Anaesthetists
Conference
- 1993 Total Intravenous anaesthesia for day care surgery using
propofol and diclofenac. Fourth Barbados Society of
Anaesthetists Conference
- 1993 Fibreoptic bronchoscopy in management of difficult airway.
Fourth Barbados Society of Anaesthetists Conference
- 1997 Lecture: "Clinical overview of Desflurane and its economic
viability for developing island nations" Invitation by Zeneca
Pharmaceuticals and Department of Anaesthesia,
Queen Elizabeth Hospital, University of West Indies,
Barbados, West Indies.
- 1998 Lecture: "Capnography in Clinical Practice"
University of Medical and Dental School,
New Jersey
- 1999 Lecture: "Monitoring coagulation disorders using
thromboelastography"
Anesthesiologists of Bombay, India
- 1999 Lecture: "Thromboelastography in Pregnancy"
Addressed to Obstetricians of Bombay,
Oberoi Towers, Bombay, India.
- 1999 Lecture: "Monitoring coagulation disorders using
thromboelastography"
Anesthesiology and Cardiac surgery of Grant Hospital,
Bombay, India
- 2000 Lecture: "Capnography. What one should know" UTMB,
Galveston, Texas
- 2000 Lecture: "How to make your epidurals work"
Regional Anesthesia Update,
Royal Sonesta Hotel,

- Cambridge, Boston, MA
- 2001 Lecture: "Capnography. Web based lecture using animations".
Department of Anesthesiology
JIPMER, Pondicherry, India.
- 2001 Lecture: "Capnography in Clinical Practice"
University of Medical and Dental School,
New Jersey
- 2001 General anesthesia for cesarean delivery. The status of current
resident training and experience. Society of Obstetric
Anesthesia and Perinatology. (SOAP), San Diego
- 2002 Demonstration of the patient educational website on
www.painfreebirthing.com
34th Annual meeting of Society of Anesthesiologists and
Perinatology Conference,
Hilton Head, South Carolina, USA.
- 2002 How do we educate our patients about obstetric Anesthesia?
(Animated Website: - www.painfreebirthing.com). (SOAP), Hilton
Head, South Carolina
- 2002 " Invited guest faculty. Indian Society of Anesthesiologists,
Coimbatore, India
Lectures:
"Capnography in laparoscopic surgery"
"Anesthesia for laparoscopic surgery during pregnancy"
- 2003 Grand rounds lecture:
"Capnography".
Grand rounds lecture:
"Anesthesia for laparoscopic surgery in pregnancy"
Duke University Anesthesiology department, North Carolina.
- 2003 Texas Anesthesia Society Conference.
Predicting Difficult Airway in Obstetrical Patient.
The Role of Capnography in the Recognition and
Management of Esophageal Intubation
Educating Parturients About Their Anesthetic Options.
- 2003 What is new in Obstetric Anesthesia.
Invited Guest Lecturer for invited audience comprising all
Senior Professor and division chiefs in the state of Andhra
Pradesh, India.
Organized by Hyderabad Anesthesia group.
Hyderabad, India.
- 2003 ASA Panel case discussion.
- 2004 Three case discussions on obstetric anesthesia practice
RACE 2004 (Ramachandra Anesthesia continuing Education.
Sponsored by Department of Anesthesia, Ramachandara
Medical College, Madras, India.
1. Capnography
 2. Perioperative management of thyroid surgery

3. Case discussion: Parturient with critical mitral stenosis for cesarean delivery.
- 2004 Street Level Airway Conference. Fortworth, Texas
Capnography and its applications
- 2004 Obstetric anesthesia education – From labor rooms to the United Nations and World. (SOAP), Ft Myers, Florida
- 2005 Capnography (CO2 monitoring) is no longer the domain of anesthesiologists. CME meeting of JIPMER Alumni Association of North America, Sponsored by CME department of Victory Memorial Hospital, New York.
- 2005 Invited Professor, Pain Management and Sedation. The Cardinal Health Center for Medication Safety and Clinical Improvement. San Diego, California. I
- 2006 Invited Professor, Introduction of Desflurane in leading Indian Medical centers in India: Escorts Heart Institute and Research, Delhi; Gangaram Hospital, Delhi
- 2006 Invited Professor, Inaugural oration: Capnography-Evolution, Evaluation & Utility. At World anesthesia day celebration, October 14th,
North Eastern Mumbai Anesthesiologists Association conference (NEMAACON), Mumbai, India.
- 2006 Airway Assessment and Airway Workshop
NEMAACON, Mumbai, India
- 2006 Complications of laparoscopic surgery
NEMAACON, Mumbai, India
- 2006 Management of Hypotension during obstetric anesthesia
NEMAACON, Mumbai, India
- 2006 Visiting Professor Lecture at grand rounds: Complications of laparoscopic surgery.
Nizam's Institute of Medical Sciences, Hyderabad, India.
- 2007 RACE 2007 (Ramachandra Anesthesia continuing Education. Sponsored by Department of Anesthesia, Ramachandara Medical College, Madras, India.
1. What is new in obstetric anesthesia
 2. Breakfast session on obstetric anesthesia and analgesia
- 2007 Visiting Professor to Christian Medical College, Vellore, India
Capnography and its clinical applications
Obstetric anesthesia – a comprehensive review
- 2007 Management of hypotension during obstetric anesthesia
Visiting professor Lecture
Nizam's Institute of Medical sciences, Hyderabad, India
- 2007 Physiology of Capnography, Visiting Professor Lecture, Care Group of Hospitals, Hyderabad, India
- 2007 Physiology of Capnography, Visiting Professor Lecture
Nizam's Institute of Medical Sciences, Hyderabad, India

- 2007 Bridging the gap between obstetricians and anesthesiologists
Visiting Professor lecture to obstetricians in the city of
Hyderabad, Rainbow Hospital.
- 2008 January Capnography – physics, physiology, and clinical
interpretations
Ramachandra Anesthesia Continuing Education (RACE)
2008), Sri Ramachandra Medical Deemed University,
Chennai, India
- 2008 January Anesthetic management of patients with antepartum
hemorrhage coming for LSCS
Ramachandra Anesthesia Continuing Education (RACE)
2008), Sri Ramachandra Medical Deemed University,
Chennai, India
- 2008 January Breakfast session: Obstetric analgesia
Ramachandra Anesthesia Continuing Education (RACE)
2008), Sri Ramachandra Medical Deemed University,
Chennai, India
- 2008 April What is new in obstetric anesthesia
National Conference of Indian Society of Study of Pain,
Christian Medical College, Vellore, India
- 2008 April Antepartum hemorrhage and management
Visiting Professor Lecture
Nizam’s Institute of Medical Sciences, Hyderabad, India
- 2008 July Clinical applications of Capnography
Visiting Professor Lecture, Care Group of Hospitals,
Hyderabad, India
- 2008 July Capnography in current anesthetic practice
Indian Society of Anesthesiologists State Conference
Coimbatore, India
- 2008 July Obstetric Anesthesia – Whatever you want to know.
Breakfast session
Indian Society of Anesthesiologists State Conference
Coimbatore, India
- 2008 July Obstetric Anesthesia – What is new?
Indian Society of Anesthesiologists State Conference
Coimbatore, India
- 2008 July Capnography in clinical practice
Visiting Professor lecture
Vijayawada branch of Indian Society of Anesthesiologists,
Vijayawada, India
- 2008 July Capnography in current anesthetic practice
Visiting Professor Lecture
Nizam’s Institute of Medical Sciences, Hyderabad, India
- 2008 October Anesthesia - Major Advances and Future Expectations. What
is New In Anesthesia and How It Is Going To Impact Our

	<p>Future Practice Northeast Mumbai Anesthesia Association Conference. World Ether Day Celebrations. 2008 Plenary Lecture Session. http://www.nemaacon2008.org/programme.html Mumbai, India</p>
2008 October	<p>Double Lumen Tubes. Demystified Northeast Mumbai Anesthesia Association Conference. World Ether Day Celebrations. 2008</p>
2008 October	<p>Ask The Experts: Obstetric Anesthesia and Analgesia One of the two experts from United States Northeast Mumbai Anesthesia Association Conference. World Ether Day Celebrations. 2008</p>
2008 October	<p>Neurological Complications Following Obstetric Anesthesia and Analgesia. Northeast Mumbai Anesthesia Association Conference. World Ether Day Celebrations. 2008</p>
2008 October	<p>Airway Workshop. Lecture: Airway Assessment Lecture: Unexpected Difficult Airway Hands on teaching on training: Video Laryngoscopes.</p>
2008 October	<p>What is New In Anesthesia and How It Is Going To Impact Our Future Practice Visiting Professor Lecture, Care Group of Hospitals, Hyderabad, India</p>
2008 October	<p>Moderator for ‘American Society of Anesthesiologists Guidelines on Obstetric Anesthesia as applicable to Indian conditions and circumstances. World Ether Day Celebrations. Hyderabad Anesthesia Society Hyderabad, India.</p>
2009 January	<p>Obstetric Analgesia – Principles Breakfast session Ramachandra Anesthesia Continuing Education (RACE) 2008), Sri Ramachandra Medical Deemed University, Chennai, India</p>

2009 January	Recent Advances in Gas Monitoring Focus session Ramachandra Anesthesia Continuing Education (RACE) 2008), Sri Ramachandra Medical Deemed University, Chennai, India
2009 January	Obstetric Analgesia Indian Society of Anesthesiologists (Guntur) Guntur, India
2009 January	Interactive Session Obstetric Analgesia and Perinatology Fernandez Hospital Hyderabad, India
2009 March	Visiting Professor (VIP visitor) Participated several discussions sessions with anesthesiologists and obstetricians Ahmadi Hospital Kuwait Oil Company Kuwait
2009 March	Capnography – Principles and Applications Faculty of Anaesthesia Kuwait Institute of Medical Specialization Kuwait
2009 March	Morbidly Obese Pregnant Patient Ahmadi Hospital Kuwait Oil Company Kuwait
April 2009	New Developments in Anesthesiology That Can Impact Future Practice Ahmadi Hospital Kuwait Oil Company Kuwait

b. Professional and educational leadership role:

Consultant assignment to Government of St Lucia:

A part of a two member team invited by Government of St. Lucia for investigating bizarre cases of post-anaesthesia facial swelling in several patients. A systematic interview of anaesthesiologists, nurses and technicians was conducted in addition to examination of anaesthetic practice, sterilization of non-disposable equipment and anaesthesia machines. The problem was traced to airways and non-disposable endotracheal tubes. The airways were sterilized using cidex for 30 minutes, which was followed by inadequate water washing and soaking (approx. 10 min). The problem was easily rectified by thorough washing, rinsing, and soaking in water twice the duration of glutaraldehyde contact.

Part III: Bibliography

ORIGINAL ARTICLES:

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2. Moseley HSL, Bhavani Shankar K, Krishnan A. Flow requirements for Bain breathing circuit during anaesthesia for Caesarean section. *Can Anaesth Soc J* 1986; 33:5:583-7.
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Thesis:

Kodali, BS. Oxygen saturation of hemoglobin after general anesthesia using IPPR. [dissertation] University of Madras, in partial fulfillment for the degree of MD, 1981

Nonprint Materials:

1. Anesthesia Video Film for Government Of Barbados: Participated in a short video film on “Educating the public regarding Anesthesia”, produced by Government Information Service of Barbados, 1992.
2. Multi-Media Presentation in Capnography: Comprehensive review on Capnography produced in computer software: Madison- Avenue and Harvard Graphics: This is probably the first review on capnography in multimedia presentation format.
3. Television interview on obstetric anesthesia: Participated in a TV interview on “Educating the public regarding pain free labor and delivery”, produced by ETV, Hyderabad, India, 2007.
4. www.Capnography.com
A website on capnography has been designed, produced and maintained with no sponsorship to provide a complete review on end-tidal carbon dioxide monitoring during anesthesia and intensive care. This site uses several animations designed to explain underlying physical and physiological concepts of capnography in addition to highlighting clinical applications. This is an "All-In-One" on capnography. This capnography website has been reviewed by independent reviewers in "Anesthesiology (October 2001), British Journal of Anesthesia (October 2001), Journal of Neurosurgical anesthesiology (October 2001), Canadian Journal of Anesthesia (April 2003). It has been summarized as a great teaching contribution on capnography and being more advantageous than a text book.
5. Web based patient education: www.painfreebirthing.com
Designed, programmed, and produced a website for pregnant women on pain free child birth options. This is the first site to use computer animation graphics to explain concepts of pain free child birth. The patients can access the information at home or in the labor and delivery suites equipped with computer Internet access such as ours. This patient educational website was demonstrated at a recently concluded Society of Obstetric Anesthesia and Perinatology.
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