

## Curriculum Vitae

Name: Ann Walia

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Nashville Tennessee, 37232-5614

### Education

07/1979 - 12/1983 M.B.B.S. from Government Medical College, Rohtak, India

### Training

09/1984 - 09/1985 Internship from Riverside Hospital (affiliated with Medical College of Ohio), Toledo, Ohio

04/1987 - 04/1989 Residency in Internal medicine from Loyola Hines Hospital, Hines, Illinois

06/1989 - 05/1992 Residency in Anesthesiology from Vanderbilt University Medical Center, Nashville, Tennessee

### Licensure and Certification

1984 - 1984 Medical, ECFMG

1984 - 1984 Medical, FLEX

06/1991 - Present Medical, Tennessee Medical License of Tennessee United States (# MD0000020978 (active))

1993 - Present Boards, American Board of Anesthesiology

1998 - 2008 Boards, American Board of Anesthesiology Pain Management

### Academic Appointments

06/1992 - 05/2002 Assistant Professor, Anesthesiology, Vanderbilt University Medical Center (VUMC) (Nashville, Tennessee)

07/1992 - 07/2003 Assistant Professor, Vanderbilt University (Nashville, Tennessee)

04/2000 - Present Chief, Anesthesiology and Perioperative care, Anesthesiology, Tennessee Valley Healthcare System (TVHS), Nashville (Nashville, Tennessee)

06/2002 - 03/2009 Associate Professor, Anesthesiology, Vanderbilt University Medical Center (VUMC) (Nashville, Tennessee)

07/2003 - 01/2009 Associate Professor of Clinical Anesthesiology, Vanderbilt University (Nashville, Tennessee)

04/2005 - Present Peer Review Comm, TVHS, Tennessee Valley Healthcare System (TVHS), Nashville (Nashville, Tennessee)

02/2009 - Present Professor of Clinical Anesthesiology, Vanderbilt University (Nashville, Tennessee)

03/2009 - Present Professor of Clinical Anesthesiology, Anesthesiology, VUMC (Nashville, Tennessee)

12/2010 - 06/2014 member Field Advisory committee

### Hospital Appointments

06/1992 - Present Staff Anesthesiologist, Anesthesia Service, Tennessee Valley Healthcare System (TVHS) (Nashville, Tennessee)

06/1994 - 2002 Co-director Pain Management center, Pain Management Center, Tennessee Valley Healthcare System (TVHS) (Nashville, Tennessee)

04/1999 - 11/2009 Director, Liver Transplant and Hepato-Biliary anesthesia, Anesthesiology, Vanderbilt University Medical Center (VUMC) (Nashville, Tennessee)

07/2016 - Present Acting Chief of Staff, Tennessee Valley Healthcare System (Nashville and Murfreesboro, Tennessee)

## Other Work Experience

10/2012 - 10/2013	Vice President, Association of VA anesthesiologists
10/2013 - 10/2015	President Elect- AVAA, Association of VA Anesthesiologists
10/2014 - Present	President of the Association of VA Anesthesiologists

## Professional Organizations

	Association of VA Anesthesiologists
	Tennessee Society of Anesthesiologists
	International Liver Transplant Society
	American Society of Anesthesiologists
	Liver intensive Care Group of Europe
2013 - 2016	Society of Cardiovascular Anesthesia, member

## Professional Activities

### Intramural

06/1992 - 04/2000	SICU Committee, Tennessee Valley Healthcare System (TVHS), Participant
10/1997 - 06/2000	Clinical Competence Committee, Vanderbilt University Medical Center, Chair
2000 - 2008	Pain Task Force Committee, Vanderbilt University Medical Center, Participant
03/2000 - Present	Professional Standards Board, TVHS
03/2000 - Present	Medical Executive Committee, Tennessee Valley Healthcare System (TVHS), Participant
03/2000 - Present	Operating Room Council, Tennessee Valley Healthcare System (TVHS), Chair
03/2000 - Present	Clinical Executive Committee, Tennessee Valley Healthcare System (TVHS), Participant
07/2003 - 06/2004	Medical Executive Committee, Vanderbilt University Medical Center, Member
12/2004 - 2007	Peer Review Committee, Tennessee Valley Healthcare System (TVHS), Chair
06/2006 - 07/0	Medical Education :ADMINISTRATION, Chair, Chair
07/2008 - 11/2009	HepatoVascular, Transplant surgical services, VUMC, POD leader

### Extramural

N/A	SQWM, VHA-CO, SURGICAL QUALITY WORKFLOW MANAGEMENT WORKGRP---A GRP OF 10 VA ANESTHESIOLOGISTS CHARGED WITH REDRAWING THE SURGICAL WORKFLOW OUT OF VISTA TO A NEW SYSTEM
07/2003 - 07/2003	Invited external reviewer for New Mexico VAHCS, External Reviewer
04/2007 - Present	CPR Committee, Tennessee Valley Healthcare System (TVHS), Chair
05/2007 - Present	Contributing Editor and Member of the Editorial Committee for the Liver Intensive Care Group of Europe (LiCAGE)
11/2007 - 11/2007	Invited site reviewer for the liver transplant program at University of Michigan.
06/2010 - 06/2013	ASA Transplant Comm, Anesthesiology, member
09/2010 - Present	Reviewer for Invited reviewer for liver transplant manuscripts for: OMICS PUBLISHING GROUP/ACR.
12/2010 - Present	VA Field Advisory comm, VHA, member
02/2011 - 04/2011	TVHS, VHA- Patient safety comm, Chair - RCA comm, chair
05/2011 - Present	VHA Preop Standards comm, Anesthesiology
06/2011 - 09/2012	LIVER AND INTESTINAL COMM., Anesthesiology, MEMBER
10/2011 - Present	VHA- Workload and billing Subcommittee, VHA- Central office, a 3 member subcommittee charged with standardizing workload capture, physician and support staff productivity and optimizing third party billing for Anesthesiology, ICU and Pain management across the VHA, member
02/2012 - Present	VHA-Chiefs report, VA- CO, COMM IS CHARGED WITH GENERATING PROVIDER SPECIFIC REPORTS FROM ARK TO BE USED FOR OPPE/FPPE AND RECREDENTIALLING, MEMBER
06/2012 - 06/2014	UNOS-MPSC, Anesthesiology, UNOS Membership and Professional Standards Committee (MPSC) as well as the MPSC Performance Analysis and Improvement Subcommittee (PAIS)- the standing comm charged with monitoring transplant program and OPO performance., member, enforcing UNOS bylaws and policies

08/2012 - Present	VA Anesthesia Quality Improvement Program, VA CENTRAL OFFICE, Collect data, analyze and colate desripters and define parameters that would be included in the National VAAQIP., MEMBER, Chair of the Subcomm responsible for establishing parameters for the VAAQIP
07/2013 - Present	Reviewer for AJT. Title: United States practice patterns in the use of transesophageal echocardiography during adult liver transplantation Authors: Soong, Wayne; ,7/27/2013
08/2013 - Present	Reviewer for Liver Transplantation:SIMULTANEOUS ARTERIO-PORTAL VS PORTAL REVASCULARIZATION IN LIVER TRANSPLANTATION: COMPARATIVE STUDY OF HEMODINAMIC AND TISSULAR OXIGENATION PROFILE
09/2013 - Present	Invited attendee to the APSF meeting in Phoenix
12/2014 - Present	TVHS PEER REVIEW COMM., Anesthesiology, institutional Peer review, Anesthesiology Rep, Member
01/2015 - Present	IPEC, TVHS, MEMBER
03/2015 - 03/2015	Reviewer for LIVER TRANSPLANTATION IN PATIENTS WITH AORTIC STENOSIS. FIRST CASE REPORTED
04/2015 - 04/2015	Reviewer for Title: Tranexamic acid " associated fulminant thrombosis during liver transplantation in a patient with new antithrombin pathway mutation.
05/2015 - 05/2015	Reviewer for Preoperative Clinical Characteristics That Identify Potential Low-volume Transfusion Candidates Among Orthotopic Liver Transplant Patients
08/2015 - Present	VISN 9- CIS-ARK, anesthesiology and ICU rep for all 9 medical centers for the VISN
10/2015 - 10/2017	ASA-USAA COMMITTEE, Anesthesiology, MEMBER

## Teaching Activities

1992 - 1993	Preop Assessment of a Patient with Cardiac Disease, Bronchospasm, VUMC
1993 - 1994	Anesthesia and Endocrine Disease, Upper Extremity Blocks, VUMC
1994 - 1995	Anesthesia and Renal Disease; lower extremity blocks, VUMC
1995 - 1996	Fluid and Electrolyte Balance, VUMC
1996 - 1997	Cardiac Disease " perioperative management, VUMC
1997 - 1998	Anesthesia and Liver Disease, VUMC
1998 - 1999	Anesthetic Issues in Liver Transplantation, VUMC
1999 - 2000	Inhalational Anesthetics, VUMC
2000 - 2001	Local Anesthetics, VUMC
2001 - 2002	Anesthetic Issues in Liver Transplantation, VUMC
02/2001 - 02/2001	Case Conference on Right Heart Thrombosis during Liver Transplant, VUMC
2002 - 2003	Anti-hypertensive Medications, Lecturer, VUMC
2002 - 2003	Anesthetic Issues in Liver Transplantation, Lecturer, VUMC
2003 - 2004	Perioperative management of Pacemakers and AICDs, Lecturer, VUMC
02/2006 - 02/2006	Anesthesia for Organ Transplantation, VUMC
02/2006 - 02/2006	Anesthesia for Hepato-Biliary surgery, VUMC
08/2006 - 08/2006	FCCS, Course Instructor, VUMC
10/2006 - 10/2006	Airway assessment and management, FCCS, Course Instructor, VUMC
11/2006 - 11/2006	Course Instructor, VUMC
02/2007 - 02/2007	Course Instructor, VUMC
02/2007 - 02/2007	Anesthesia and Liver Disease, VUMC
05/2007 - 05/2007	Anesthesia for Transplantation, VUMC
08/2007 - 08/2007	Course Instructor, VUMC
11/2007 - 11/2007	Course Instructor, VUMC
02/2008 - 02/2008	Course Instructor, Critical Skills Development series for Medical Students, VUMC
02/2008 - 02/2008	Course Instructor, VUMC
02/2008 - 02/2008	Anesthesia for Liver Transplantation, VUMC
02/2009 - 2009	Course Instructor, VUMC
03/2009 - 03/2009	Anesthesia for Transplantation, VUMC
10/2014 - 10/2014	CO-CHAIR of the ILTS, co-chair, New Orleans, co-chaired the ILTS MEETING IN NEW ORLEANS AT THE ASA

10/2015 - 2015	Annual meeting and workshop: Co-Director of the USSA-AVAA joint meeting and workshop at the ASA, Course organizer and teacher, San Diego, This is the 1st year that AVAA and USAA are organizing an academic session for an entire day focusing on TEE with simulation, TTE and Regional anesthesia, vascular access. I will be Director of this workshop sponsored by THE ASA.
10/2016 - 10/2016	Co-Director of the USSA-AVAA joint meeting and workshop at the ASA, Co-Director of the USSA-AVAA joint meeting and workshop at the ASA

## Research Supervision / Mentorship

N/A	Vidya Rao (Faculty, Clinical)
N/A	John Foster (Faculty)
N/A	andrea Feilner (Faculty, General Mentorship)
N/A	Rigoberto Sierra-Anderson (Faculty, Research)
N/A	kelly ortega (Faculty, General Mentorship)
N/A	Erin Brockway (Faculty, General Mentorship)
N/A	Kevin Preece (Faculty, General Mentorship)
07/2006 - Present	Jeff Waldman, M.D. Current Position: assist prof of anesthesiology. (Faculty, Research)

## Other Significant Activities

N/A	innovation grant: extended the grant pilot to include another 70 patients. Results presented at IARS. software to be included into SQWM.
08/2013	St. Louis VA, MO: Invited site reviewer for their anesthesia service with special focus on re-initiation of their cardiac surgery program.
10/2014	ILTS: co-chaired the ILTS MEETING IN NEW ORLEANS AT THE ASA
10/2015	AVAA- annual meeting : This is the 1st year that AVAA and USAA are organizing an academic session for an entire day focusing on TBI, TEE and Regional anesthesia. I will be Co-Directing this didactic session with the Chair of USAA.
01/2016	Central office appointed site Reviewer for Martinsburg VA Anesthesiology and Surgery Program: Appointed by Anesthesiology in Central Office to conduct a review of the entire anesthesiology, surgery and ICU competencies and outcomes at the Martinsburg VA and to address certain EEO complaints.
04/2016	Guest Speaker at 3rd International Liver symposium, Medanta, Medcity, India: 1 of 2 invited international anesthesia faculty at the Liver symposium in India with over 500 attendees. I chaired sessions on " Cardiac issues in liver transplant recipient" and " pulmonary issues in LT".
10/2016	AVAA-DoD Annual Meeting: Co-Chair of the AVAA-DoD Annual meeting at the ASA with focus on periop surgical home and implementation in the VA/DoD. also ORGANIZING THE REGIONAL AND DIFFICULT AIRWAY WORKSHOPS at this meeting to be held on 10/21/16.

## Grants and Funding

Grant number unavailable	06/2011 - 09/2013
VHA	
BREEZE as an SAS	
ESTABLISH A KIOSK SYSTEM FOR COLLECTION OF PERTINENT MEDICAL HISTORY BY THE PATIENT IN THE ANESTHESIA PREOP CLINICS	
Role: Principal Investigator	
Total Cost: \$30,000.00	

## Honors / Awards

1979	Honors in Physiology
1981	Honors in Pharmacology
2006	Academic Achievement Award
2007	Chair's Award of Excellence
2007	Career Development Award

2008	Career Development Award
06/2010	Chair's excellence award, Anesthesiology
06/2011	Chairs Excellence Award, Anesthesiology
06/2012	Golden Apple Award, excellence in teaching

## Publications

### Peer Reviewed Publications

#### Research Papers

1. M. Susan Mandell MD, PhD, Elizabeth A Pomfret MD, PhD, Randall Steadman MD, Ryutaro Hirose MD, David J. Reich MD, Roman Schumann, Ann Walia MD. DIRECTOR OF ANESTHESIOLOGY FOR LIVER TRANSPLANTATION: EXISTING PRACTICES AND RECOMMENDATIONS BY THE UNITED NETWORK FOR ORGAN SHARING. Liver Transpl. 2013 Jan.
2. C. Wray, J. C. Scovotti, J. Tobis, C. U. Niemann, R. Planinsic, A. Walia, J. Findlay, G. Wagener, J. B. Cywinski, D. Markovic, C. Hughes, A. Humar, A. Olmos, R. Sierra, R. Busuttil and R. H. Steadman. Liver Transplantation Outcome in Patients With Angiographically Proven Coronary Artery Disease: A Multi-Institutional Study. (PubMed #23126562). American Journal of Transplantation 2013 Jan;13(1).
3. R. Schumann, S. Mandell, MD. Michaels, J. Klinck, A. Walia. 'Intraoperative fluid and pharmacologic management and the anesthesiologists supervisory role for nontraditional technologies during liver transplantation: A survey of US academic centers' in Transplantation Proceedings. Transplantation Proceedings 2013 Aug;45(6):2258-2262.

#### Research Articles

1. **Walia A**, Mandell MS, Mercaldo N, Michaels D, Robertson A, Banerjee A, Pai R, Klinck J, Weinger M, Pandharipande P, Schumann R. Anesthesia for liver transplantation in US academic centers: Institutional structure and perioperative care. Liver transplantation : official publication of the American Association for the Study of Liver Diseases and the International Liver Transplantation Society 2012 Jun;18(6):737-43. PMID: 22407934.

### Non-Peer Reviewed Publications

#### Book Chapters

1. **Walia, A.**, Schumann, R. 3. "Liver Transplantation" Walia, A. published in "Essence of Anesthesia Practice", Dec. 2010(p 487-488). 2010 Dec;487-488.
2. WALIA,A, SCHUMANN, R. Chapter: "Practice Patterns of Liver Transplant Anesthesiology" in LIVER ANESTHESIOLOGY AND CRITICAL CARE MEDICINE. . Liver anesthesiology and Critical Care Medicine. Editors: Gebhard Wagener, M.D. Springer; 2013 Jan;111-130.

#### Research Articles

1. **Walia, A**, Waldman, J, Robertson, A, Hairr, J, Pai, R:. Liver #3: Make it Work!. Poster presentation, ASA 2007.
2. Dawood MM, Gutpa DK, Southern J, **Walia A**, Atkinson JB, Eagle KA. Pathology of fatal perioperative myocardial infarction: implications regarding pathophysiology and prevention. International journal of cardiology 1996 Nov;57(1):37-44. PMID: 8960941.
3. Janicki PK, Higgins MS, Pai RK, **Walia A**. Comparison of water warming garment and air warming system in prevention of hypothermia during liver transplantation. Anesthesiology 2001; 95:868-874.
4. Janicki PK, Stoica C, Chapman WC, Wright JK, Walker G, Pai R, **Walia A**, Pretorius M, Pinson CW. Water warming garment versus forced air warming system in prevention of intraoperative hypothermia during liver transplantation: a randomized controlled trial [ISRCTN32154832]. BMC anesthesiology 2002 Nov;2(1):7. PMID: 12441007 PMCID: PMC137608.
5. Sukdeb Datta, Umeshraya Pai, Philip o.Bridenbaugh, Ann Walia. Letter to the Editor -Seizure after Bier Block with Clonidine and Lidocaine: Is Clonidine Really the Culprit?. Anesth. Analg. 2005; 101.
6. M.S. Mandell, G. Biancofiore, M. Bellamy, R. Barnett, Y. Vater, A. Walia. Multicenter Evaluation of the Safety of Early Extubation in the Liver Transplant Patients. IARS 2005.
7. **Walia A**. Anesthetic management for liver resection. Journal of gastrointestinal surgery : official journal of the Society for Surgery of the Alimentary Tract 2006 Feb;10(2):168-9. PMID: 16622980.

8. M.S. Mandell, G. Biancofiore, M. Bellamy, R. Barnett, Y. Vater, A. Walia. Multicenter Evaluation of the Safety of Early Extubation in the Liver Transplant Patients. Liver Transplantation 13 2007.
9. **Walia A**, Schumann R. The evolution of liver transplantation practices. Current opinion in organ transplantation 2008 Jun;13(3):275-279. PMID: 18685317.
10. Claus U. Niemann, Ann Walia, Jeffrey Waldman, Michael Davio, John P. Roberts, Ryutaro Hirose, John Feiner. Acute kidney injury during liver transplantation as determined by neutrophil gelatinase-associated lipocalin. Liver Transplantation 2009 Nov;1852-1860.
11. Banerjee A, Stoica C, **Walia A**. Acute hyperkalemia as a complication of intravenous therapy with epsilon-aminocaproic acid. Journal of clinical anesthesia 2011 Nov;23(7):565-8. PMID: 22050802.

### Abstracts

1. **Walia, A**, Wasudev,G, Banerjee, A. Morbid Obesity and Ludwigs Angina. Abstract, ASA 2006.
2. **Walia, A**. LTrAC 101: Survey results for organizational structure in the US and abroad for Anesthesia care teams involved in Liver transplantationabstract submitted to ILTS, Paris, France, July, 2008.

### Books

1. **Walia, A**. Invited chapter: "Evolution of Perioperative Care in Liver Transplantation". In Current Opinion in Organ Transplantation. 2008.

### Conference Proceedings

1. **Walia, A**. practice issues in Liver Transplantation.. Panel Co-Chair at the ASA , Orlando, . 2008; : .

### Research Papers

1. 'Perioperative risk factors associated with AKI following liver transplantation'. Dec.
2. Schumann R, Mandell MS, Mercaldo N, Michaels D, Robertson A, Banerjee A, Pai R, Klinck J, Pandharipande P, **Walia A**. Anesthesia for liver transplantation in United States academic centers: intraoperative practice. Journal of Clinical Anesthesia 2013 Nov;25(7):542-550. PMID: 23994704.

## Presentations

### Presentations at Scientific Meetings

1. Gebhard Wagener MD\*, Sachin Ketharpal MD#, Paul Picton MD#, Randolph Steadman MD& ,Ann Walia MD+, Claus U. Niemann MD. ILTS. ILTS; VALENCIA, South Carolina, Spain. 2011 Jun 24; 1. ILTS Poster presentation, 2011, Valencia, Spain: Kidney Injury after Liver transplantation (KILT): a multicenter consortium to study renal biomarkers after liver transplantation.
2. ANN WALIA, M.D. ILTS. ILTS; SAN FRANCISCO, California. 2012 May; PRE-OPERATIVE OPTIMIZATION - IS THIS THE BEST WE CAN EXPECT?.,
3. Sierra-Anderson, Walia. AVAS-AVAA. AVAS-AVAA; CONNECTICUT2014 Apr 7; Impact of Implementation of E-Consult in the Preoperative assessment clinic.
4. WALDMAN, WALIA. AVAS-AVAA. AVAS-AVAA; CONNECTICUT2014 Apr 7; Postoperative Visual loss.
5. Session Chair. 3rd International Liver Symposium. Medanta, Medcity, India; new delhi, India. 2016 Apr 2; cardiac Issues in Liver Transplant Recipients.
6. 3rd International Liver Symposium. medanta; new delhi, India. 2016 Apr 3; post operative critical care issues in the recipient.
7. Session Chair. 3rd International Liver Symposium. Medanta, Medcity; New delhi, India. 2016 Apr 3; Pulmonary issues in Liver Transplant.

### Invited Presentation - National

1. Ann Walia,M.D. National VA Anesthesia Chiefs meeting, Sept. 2010, LV, Nevada:. VHA; LV, Nevada. 2010 Sep 14; "Preop Made Easy- Novel use of Software as a service".
2. Ann Walia,M.D. National Health Intelligence Summit, Pensacola, FL, Nov. 2010:. VHA, CISCO, HP, MICROSOFT; Pensacola, Florida. 2010 Nov 13; A novel use of web-based software to efficiently triage pre-surgical patients based on perioperative risk.
3. Ann Walia, M.D. VA- Information and Resource center (VIReC). VACO- IT; 2012 Jul 23; Web-based Patient Portal to Directly Elicit a Comprehensive Medical History.

4. Ann Walia, MD. VHA SURGICAL CHIEF'S meeting. VHA; Nashville, Tennessee. 2016 Jun 24; Anesthesia Perioperative Care Service in the VHA.

#### **Invited Presentation - International**

1. Ann Walia, M.D. LICAGE- ELITA-ILTS. LICAGE-ELITA-ILTS; Pisa, Italy. 2010 Sep 23; Practice patterns in Liver Transplantation.--oral presentation.
2. Ann Walia. 3rd International Liver Symposium. Medanta, Medcity, India; New Delhi, India. 2016 Apr 2; Deceased Donor-The optimal care for Maximizing organ Retrieval.

#### **Panel Presentation**

1. ILTS. ILTS, LiTAC; San Francisco, California. 2012 May 18; Preop optimization-is this as good as it gets?.

#### **Workshop**

1. IARS Conference. IARS; Orlando, Florida. 2007 Mar; "Preoperative Transthoracic Echocardiography in a patient with Hepatic insufficiency, scheduled for Liver Transplantation".
2. IARS Workshop. Host of workshop at the IARS Conference; San Francisco, California. 2008 Apr; Perioperative management of a patient with Liver disease, including simulation".
3. USSA-AVAA Annual Meeting & Workshop at the ASA. ASA; CHICAGO, Illinois. 2016 Oct 21; Implementing the Anesthesia Perioperative service in the VHA-Panel Chair.

#### **Other**

1. IHPBA; Air Europe (Military). 2004 Jun; "Does the experience of the Anesthesiologist affect the outcome in Liver Transplant Recipients".
2. DDW/ AHPBA Conference. lecture and panel member at DDW/ AHPBA; Air Europe (Military). 2005 Apr; " Anesthetic Considerations for Patients Undergoing Liver Resection".
3. ILTS, ELITA, LiCAGE Conference. Interactive Case discussion at the ILTS, ELITA, LiCAGE; Paris, Air Europe (Military), France. 2008; "Intraoperative Dilemma".
4. Invited Course Director and Organizer for 3 day First International Multidisciplinary symposium on Perioperative Care of Liver Transplant patients, New Delhi, India, Nov.; New Dehli, India. 2008; "Veno Venous Bypass".
5. ILTS, ELITA, LiCAGE Conference. Invited Speaker at the ILTS, ELITA, LiCAGE Conference; Paris, Air Europe (Military), France. 2008 Jul; "Looking for Evidence"oral presentation.
6. Invited speaker at the ILTS/ ASA; Air Europe (Military). 2008 Oct; The results of the LTrAC 101 and 201.
7. Panel Co-Chair at the ILTS/ ASA; Air Europe (Military). 2008 Oct; Issues in Liver Transplant Practice Management".
8. First International Multidisciplinary Liver Transplant meeting. Invited speaker and Panel Co-Chair: First International Multidisciplinary Liver Transplant meeting; New Dehli, Air Europe (Military), India. 2008 Nov; "Portopulmonary HTN".
9. First International Multidisciplinary Liver Transplant Meeting. Invited speaker and Panel Co-Chair: First International Multidisciplinary Liver Transplant Meeting; New Dehli, Air Europe (Military), India. 2008 Nov; "Hepatorenal Syndrome".
10. ILTS/ ASA Annual Meeting. ILTS/ ASA; New Orleans, Louisiana. 2009; Intraoperative Hypotension in Liver Transplantation.
11. ILTS, ELITA, LiCAGE Conference. ILTS, ELITA, LiCAGE Conference; New York, New York. 2009 Jul; "Looking for Evidence (2)"oral presentation.

#### **Visiting Professor**

1. Ann Walia, M.D., Avi Soin, M.D. Vijay Vohra, M.D. Symposium on Coagulation in Liver Disease. Medanta, India; GURGAON, India. 2012 Jan 2; ESLD- WHY DO THEY BLEED?.