



Chandrakanth Are  
MD, MBA

2021



**CURRICULUM VITAE**

**NAME:** Chandrakanth Are, MD, MBA, FRCS, FACS  
**FATHER'S NAME:** Dasaratha Naidu Are

**ADDRESS:** University of Nebraska Medical Center  
Department of Surgery  
Division of Surgical Oncology  
986880 Nebraska Medical Center  
Omaha, Nebraska 68198-6880  
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**CURRENT POSITIONS:**

1. Associate Dean for Graduate Medical Education- Designated Institutional Official (DIO)- University of Nebraska Medical Center
2. Designated Institutional Official- Clarkson Family Medicine Program- Nebraska Medicine
3. Jerald L &Carolynn J Varner Professor in Surgical Oncology & Global Health
4. Vice-Chair Education Department of Surgery
5. Director Surgical Simulation-Davis Global Center
6. Director MD/MBA program- UNMC/UNO
7. Tenure position- 2016- present

**EDUCATION:**

1983-1990: **M.B.B.S (Bachelor of Medicine and Bachelor of Surgery)** from Osmania Medical College, Hyderabad, India.

1994 **Fellow of the Royal College of Surgeons in Ireland**  
Dublin, Ireland.

2012-2013: **Executive M.B.A**  
University of Nebraska, Omaha, Nebraska, USA.

**POST-DEGREE TRAINING (INTERNSHIP, RESIDENCY AND FELLOWSHIP) :**

- 7/1/04- 6/30/06: **Fellow in Surgical Oncology**  
Memorial Sloan Kettering Cancer Centre  
New York, NY. Dr. Murray F Brennan
- 7/1/03-6/30/04: **Halsted Assistant Chief of Service**  
**Instructor- with Dr. John L Cameron**  
The Johns Hopkins Hospital  
Baltimore, Maryland.
- 7/1/02-6/31/03 **Halsted Surgery Chief Resident**  
The Johns Hopkins Hospital  
Baltimore, Maryland.
- 1/1/02-6/30/02: **Registrar, General & Thoracic Surgery**  
Beaumont Hospital  
Dublin, Ireland
- 7/1/01-12/31/01: **Halsted Surgical Resident**  
The Johns Hopkins Hospital  
Baltimore, Maryland
- 7/1/99-6/31/01: **Research Fellow** in the lab of  
Minimal Access Surgery.  
The Johns Hopkins Hospital
- 7/1/98 -6/30/99: **Halsted Surgery Senior Assistant**  
**Resident**  
The Johns Hopkins Hospital
- 7/1/97-6/31/98: **Halsted Surgery Junior Assistant**  
**Resident**  
The Johns Hopkins Hospital
- 7/1/96-6/31/97: **Halsted Surgery Intern**  
The Johns Hopkins Hospital  
Baltimore, Maryland
- 1/1/96-6/30/96: Locum Registrar in **General Surgery**  
Charring Cross Hospital, London, England  
Beaumont Hospital, Dublin, Ireland
- 7/1/95-12/31/95: Senior House Officer in **Orthopaedics**  
(Dr. S.J.O. Flanagan)  
James Connolly Memorial Hospital  
Blanchardstown, Dublin, Ireland
- 1/1/95-6/30/95: Senior House Officer in  
**Plastic Surgery**  
(Dr. Gearoid Lynch)  
Beaumont Hospital, Dublin, Ireland
- 7/1/94-12/31/94: Senior House Officer in  
**Colo-rectal surgery**

(Dr. J. Deasy)  
 Beaumont Hospital, Dublin, Ireland  
 1/1/94-6/30/94: Senior House Officer in  
**Thoracic/Vascular Surgery**  
 (Dr. P.J. Broe)  
 Beaumont Hospital, Dublin, Ireland  
 7/1/93-12/31/93: Senior House Officer in **Neuro-surgery**  
 (Dr. D.J. Rawluk)  
 Beaumont Hospital, Dublin, Ireland  
 1/1/93-6/30/93: Senior House Officer in  
**Accident & Emergency**  
 (Dr. F.O. Cunningham),  
 Navan Hospital, Ireland  
 7/1/91-12/31/92: Senior House Officer in **Orthopaedics**  
 (Dr. F.G. Kenny)  
 Navan Hospital, Ireland.  
 1/1/90-2/28/91 Senior House Officer  
**General Surgery**  
 (Dr. C.L. Venkat Rao)  
 Osmania General Hospital  
 Hyderabad, Andhra Pradesh  
 India

**CONTINUING EDUCATION:** (Brief summary- can provide details if needed for additional years)

<u>Year</u>	<u># of CME credits (combination of ACS and non-ACS verified)</u>
2011	136.75
2012	106
2013	216.5
2014	28

ACS= American College of Surgeons

**ACADEMIC APPOINTMENTS:**

2017- Present **Associate Dean for Graduate Medical Education**  
 Designated Institutional Official (DIO)  
 2015- Present **Jerald L & Carolyn J Varner Professor**  
 in Surgical Oncology and Global Health  
 2015- Present **Professor**

2015- Present  
 Division of Surgical Oncology  
 Department of Surgery  
 Fred & Pamela Buffett Cancer Center  
 University of Nebraska Medical Center  
 Professor Courtesy  
 Department of Genetics, Cell Biology  
 and Anatomy  
 University of Nebraska Medical Center

2013- Present  
**Vice-Chair of Education**  
 Department of Surgery  
 University of Nebraska Medical Center

2011- 2015  
**Associate Professor**  
 Division of Surgical Oncology  
 Department of Surgery  
 Eppley Cancer Center  
 University of Nebraska Medical Center

2011- 2016  
**Program Director**  
 General Surgery Residency Program  
 University of Nebraska Medical Center

2011- 2015  
 Associate Professor Courtesy  
 Department of Genetics, Cell Biology  
 and Anatomy  
 University of Nebraska Medical Center

2008- 2011  
**Associate Program Director**  
 General Surgery Residency Program  
 University of Nebraska Medical Center  
 University of Nebraska Medical Center

2007- 2011  
**Assistant Professor**  
 Division of Surgical Oncology  
 Department of Surgery  
 Eppley Cancer Center  
 University of Nebraska Medical Center

2007- 2011  
 Assistant Professor Courtesy  
 Department of Genetics, Cell Biology  
 and Anatomy  
 University of Nebraska Medical Center

**CERTIFICATES :**

Board certified in General surgery  
 Certified: 9/20/2004  
 Re-certified- 12/12/2014

Valid till: 12/31/2025  
 Certificate no: 49375  
 Diplomate of American Board of Surgery-  
 09/2009

**LICENSES:**

State of Maryland license: D 0055770  
 Date of issue: 04/2000  
 Date of last registration: 09/2004

State of Arizona: 35755  
 Date of issue: 06/2006

Nebraska: 23999  
 Date of issue: 1/4/2007  
 Expiry: 10/1/2016

License to practice in Republic of  
 Ireland.  
 License to practice in England.  
 License to practice in India.

**GRANT/CONTRACT SUPPORT:****Active**

Title: Assessing the microbiome in pancreatic  
 Cancer  
Funding agency: The Jewish Foundation  
Amount: \$ 25,000  
PI: Khan  
Role: Co Investigator

Title: SPORE in Pancreatic Cancer  
ID Number: 5P50CA127297-07  
Funding Agency: DHHS/NIH/NCI  
Project Period: 2014 - 2019  
Total Dollars: \$16,526,997  
Direct Cost: \$1,451,827  
Role: Co Investigator (Hollingsworth)

Title: LB595 Tobacco Tax Center Research Grant  
ID Number:

Funding Agency: NE DHHS - LB595  
 Project Period: 2015 - 2016  
 Total Dollars: \$30,004,831  
 Direct Cost: \$1,300,000  
 Role: Co Investigator (Cowan)

Title: Mechanism of Action of Differentiation Agents  
 ID Number: 5R01CA038173-28  
 Funding Agency: DHHS/NIH/NCI  
 Project Period: 2007 - 2016  
 Total Dollars: \$2,303,729  
 Direct Cost: \$211,730  
 Role: Co Investigator (Brattain)

### **Pending**

Title: Pancreatic Cancer Metastasis  
 ID Number: 1P01CA196545-01A1  
 Funding Agency: DHHS/NIH/NCI  
 Project Period: 2016 - 2021  
 Total Dollars: \$1,932,720  
 Direct Cost: \$1,301,480  
 Role: Co Investigator (Batra)

### **Completed**

Title: Heterogeneity of Human Colon Carcinoma  
 ID Number: 5R01CA034432-28  
 Funding Agency: DHHS/NIH/NCI  
 Project Period: 2008 - 2014  
 Total Dollars: \$1,544,470  
 Direct Cost: \$1,040,779  
 Role: Co Investigator (Brattain)

Title: Early Diagnosis of Pancreatic Cancer Administrative Supplement  
 ID Number: 155022  
 Funding Agency: University of Texas Health Science Center at San Antonio  
 Project Period: 2012 - 2014  
 Total Dollars: \$297,000  
 Direct Cost: \$200,000

Role: Co Investigator (Hollingsworth)

Title: Development of Portable Laparoscope

ID Number:

Funding Agency: UNeMed

Project Period: 2009 - 2009

Total Dollars: \$10,000

Direct Cost: \$10,000

Role: Principal Investigator

#### **NON-SPONSORED / OUTSIDE GRANTS INFORMATION**

##### **Completed**

Title: Educational grant to assess educational gaps and needs for cancer professionals in India

Funding Agency: Pfizer

Institution:

Project Period: 2009 - 2009

Total Dollars: \$25,000

Direct Cost: \$25,000

Role: Co-Investigator (Lois Colburn (Co-PI))

Title: Educational grant for Oncology educational capacity building in India

Funding Agency: Pfizer

Institution:

Project Period: 2010 - 2017

Total Dollars: \$244,584

Direct Cost: \$244,854

Role: Co-Investigator (Lois Colburn (Co-PI))

Title: New Innovations Grant for development of technology and instruments in Minimally Invasive Surgery

Funding Agency: Unemed-UNMC

Institution:

Project Period: 2009 - 2009

Total Dollars: \$10,000

Direct Cost: \$10,000

Role: Principal Investigator



Title: Educational grant toward education of  
M1 medical students  
Funding Agency: UNMC  
Institution:  
Project Period: 2009 - 2009  
Total Dollars: \$5,000  
Direct Cost: \$5,000  
Role: Principal Investigator

**PATENTS:**

1. Laparoscope and Method of Use Thereof.  
Filed: May 13<sup>th</sup>, 2010  
International Publication Date: 14<sup>th</sup> June 2012  
International Publication Number: WO 2012/078872.  
A3.  
Issued Patent- Europe- July 3<sup>rd</sup>, 2019: Ref #  
P40976EP=PCT

**CONSULTING POSITIONS:**

1. University of Nebraska Medical Center Physicians  
(UNMCP)-Nebraska Medical Center (NMC)-Consulting  
support- July 2013- 2015.
2. Basavatarkam Indo-American Cancer Hospital and  
Research Center, Hyderabad, Telangana, India-  
Scientific Advisory Board-2020

**EDITORIAL COMMITMENTS:**

1. 2019- Present: Founding Editor-in-Chief- Graduate  
Medical Education Research Journal (GMERJ)- first  
issue to launched in December 2019
2. 2019- International Advisory Board- Indian Journal  
of Surgical Oncology

3. 2017- Present- Associate Editor- Global Oncology- Journal of Surgical Oncology
4. 2017- Guest Editor- Journal of Surgical Oncology- Global Oncology Seminar Series
5. 2015- Present- Section Editor on Global Cancer Burden- ASCO Post
6. 2015- Present- Editorial Board- ASCO Post
7. 2015- Present- Editorial Board-Associate Section Editor- Annals of Surgical Oncology- Health Services Research and Global Oncology
8. 2015- Present- Editorial Board- Section Editor HPB- Indian Journal of Surgical Oncology
9. 2012- Present- Editorial Board- Advisory Committee Member- Indian Journal of Surgical Oncology.
10. 2014- Guest Editor- Special issue on Pancreatic Cancer- Indian Journal of Surgical Oncology
11. 2012- 2014- Section Editor (Surgical Oncology). World Journal of Surgical, Medical and Radiation Oncology

**INVITED REVIEWER:**

1. Annals of Surgery
2. The New England Journal of Medicine
3. Archives of Surgery- JAMA Surgery
4. Journal of American College of Surgeons
5. Annals of Surgical Oncology
6. Lancet Oncology
7. Surgery
8. British Journal of Surgery
9. European Journal of Surgical Oncology
10. HPB journal
11. Indian Journal of Surgical Oncology
12. Indian Journal of Medical Research
13. Journal of Surgical Oncology
14. Journal of Graduate Medical Education
15. Academic Medicine
16. Surgical Endoscopy
17. Journal of Laparoendoscopic and Advanced Surgical techniques
18. World Journal of Surgery
19. Oncology
20. Annals of Surgical Innovation and research

**HONORS/AWARDS/RECOGNITIONS:**

1. **Alpha Omega Alpha (AOA) 2003**  
The Johns Hopkins University
2. **Distinguished Alumni Achievement Award, 2020:**  
University of Nebraska Omaha, College of Business Administration
3. **Top 10% reviewer** for Journal of Graduate Medical Education: 2019
4. **Dr. Robert S. Wigton Most Valuable Program Director (MVPD) Award 2016,** for the entire campus.  
University of Nebraska Medical Center.
5. UNMC Student Senate Distinguished Mentor Award-Runner up-2017
6. **Physician of the Month- August 2016- 5 West,**  
University of Nebraska Medical Center
7. **OTICA (Outstanding Teaching and Instructional Creativity Award) 2015**  
University of Nebraska: Awarded to two educators per year for the University of Nebraska system (entire State of Nebraska)consisting of four campuses.
8. **"Distinguished Teacher ad perpetuum" 2015**  
University of Nebraska
9. **Award of Excellence for Community service-2015.**  
India Association of Nebraska
10. **Outstanding Faculty Teaching Award, 2014**  
College of Medicine, University of Nebraska Medical Center
11. **Outstanding Faculty Teaching Award, 2013**  
Department of Surgery, University of Nebraska Medical Center
12. **Outstanding Faculty Teaching Award, 2012**  
Department of Surgery, University of Nebraska Medical Center
13. **President, 2011**  
India Association of Nebraska
14. **Young Investigator Award, 2006**  
International Hepato-pancreato biliary, Association (IHPBA)
15. **Abstract Award, 2005**  
Society of American Gastro-intestinal and Endoscopic Surgeons (SAGES)
16. **Outstanding Chief Resident award, 2002-2003**

- The Johns Hopkins Hospital
17. **Anthony L Imbembo Surgical Residents teaching award, 2003**  
The Johns Hopkins Hospital
  18. **Abstract Award, 2002**  
Society of American Gastro-intestinal and Endoscopic Surgeons (SAGES)
  19. **Outstanding resident award, 2001-2002**  
The Johns Hopkins Hospital
  20. **Upjohn award for clinical research presentation, 2001.**  
The Johns Hopkins Hospital
  21. Finished school at The Hyderabad Private School with honours.

**MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES:**

1. American Surgical Association
2. Society of University Surgeons
3. American College of Surgeons
4. Society of Surgical Oncology
5. European Society of Surgical Oncology
6. American Hepato-Pancreato-Biliary Association
7. Association of Program Directors in Surgery
8. Association of Academic Surgery
9. Indian Association of Surgical Oncology
10. International Hepato-Pancreato-Biliary Association
11. Society of American Gastro-intestinal and Endoscopic Surgeons
12. Society for Surgery of Alimentary tract
13. The Johns Hopkins Medical and Surgical Society.
14. Old Hands Club- The Johns Hopkins Hospital
15. Fellow of the Royal College of Surgeons in Ireland.

**Offices in professional societies:**

1. 2020- Executive Council- Society of Surgical Oncology
2. 2020 March- 2021 March: Society of Surgical Oncology- Executive Council Liaison to the Hepato-Pancreato-Biliary Disease Site Work Group
3. 2017- Founding Director- Global Forum of Cancer Surgeons (GFCS)- Society of Surgical Oncology

4. 2019- 2025-Residency Review Committee (RRC) Surgery, ACGME
5. 2019- SECOND (The Surgical Education Culture Optimization Through Targeted Interventions Based on National Comparative Data) Trial Advisory Committee
6. 2017- Present- American College of Surgeons- International Relations Committee
7. 2017- 2020- American College of Surgeons- International Relations Committee- International Fellowship Subcommittee
8. 2017- 2021- Vice-Chair (2020-2021) American College of Surgeons- International Relations Committee- Education, Quality and Communications Subcommittee
9. 2020- American College of Surgeons- International Relations Committee- Scholarship Selection Subcommittee
10. 2017- Present- Society of Surgical Oncology- Educational Council
11. 2016- Present- Society of Surgical Oncology- New SSO Journal and International Alignment Task Force
12. 2016- Present- Society of Surgical Oncology- Outreach Task Force
13. 2016, March 2016- Associate Examiner, American Board of Surgery, Certifying exam. St. Louis
14. 2015-Present- European Society of Surgical Oncology/Society of Surgical Oncology: Global Oncology Curriculum Committee
15. 2016-2020- Chair- International Committee- Society of Surgical Oncology
16. 2015-2016- Co-Chair- International Committee- Society of Surgical Oncology
17. 2015-2019- Education and Training Committee- Americas Hepatopancreatobiliary Association
18. 2015- 2018- Continuing Medical Education- Society of Surgical Oncology
19. 2014- 2016- Surgical Education Committee- Society of University Surgeons
20. 2014- 2016- International Committee- Society of Surgical Oncology.
21. 2013- Present- Overseas Coordinator- Indian Association of Surgical Oncology

22. 2012- Present- National Comprehensive Cancer Network (NCCN) Hepatobiliary Cancer Guidelines Panel Member.
23. 2009- 2011- Society of American Gastrointestinal and Endoscopic surgeons - International relations.
24. 2006- 2011- Society of American Gastrointestinal and Endoscopic surgeons- Continuing Medical Education.
25. 2010- 2013- The Society for Surgery of the Alimentary Tract- Membership committee.
26. 2010- 2012- American Hepatopancreatobiliary Association - Professional Development Committee.
27. 2008- 2011 - American Hepatopancreatobiliary Association- Publications committee.
28. 2009- 2011- Society of Surgical Oncology- Website Stakeholders Task Force.
29. 2009- 2011- Society of Surgical Oncology- Membership committee.
30. 2010- 2012- Society of Surgical Oncology- International committee.
31. 2008-Present ACS-Associate Editor International Committee.

**XIII. COMMITTEE ASSIGNMENTS (DEPARTMENTAL, MEDICAL STAFF, COLLEGE, MEDICAL CENTER AND UNIVERSITY COMMITTEES) :**

1. 2008- Present- University of Nebraska Medical Center- Graduate Medical Education.
2. 2009- 2011- University of Nebraska Medical Center - Work hour's committee.
3. 2008- 2010- University of Nebraska Medical Center - OR committee.
4. 2008- Present- University of Nebraska Medical Center- Steering committee for International Health and Medical education.
5. 2008- Present- University of Nebraska Medical Center - India committee.
6. 2008- Present- University of Nebraska Medical Center - Molecular and Biochemical Etiology Program.
7. 2009-Present- Resident Education Committee (REC) at University of Nebraska Medical Center - Chair

8. 2009-Present- Program Evaluation Committee- University of Nebraska Medical Center General Surgery Residency- Chair
9. 2010- Present- Patient safety and Quality committee- University of Nebraska Medical Center
10. 2010- 2011- Medical school curriculum committee- University of Nebraska Medical Center
11. 2011- 2014-Elected to Faculty Senate- University of Nebraska Medical Center
12. 2011- Present- University of Nebraska Medical Center - Campus Global Cultural Competence Committee
13. 2012- Present- Clinical Competency Committee- University of Nebraska Medical Center General Surgery Residency
14. 2012 Search Committee- University of Nebraska Medical Center - Chief- Division of Surgical Oncology
15. 2012-2013- Objectives and Structure (ED-a) Education Committee- University of Nebraska Medical Center
16. 2012- 2012- Faculty Senate Ad Hoc Committee for Supplemental salary- University of Nebraska Medical Center
17. 2012- 2014- Faculty Senate Honorary Degrees and Awards Committee- University of Nebraska Medical Center
18. 2013- 2015- Executive Committee of the Graduate Medical Education Committee (GMEC- University of Nebraska Medical Center
19. 2013 Search committee for Designated Institutional Official- University of Nebraska Medical Center
20. 2014- Present- Medical Management Executive Committee- Accountable Care Alliance- Nebraska Medical Center
21. 2014- Present- Graduate Medical Education Finance and Workforce Committee- University of Nebraska Medical Center
22. 2014- 2014- Clinical Enterprise Education Task Force- Nebraska Medical Center
23. 2014-Present- Re-elected to Faculty Senate- University of Nebraska Medical Center.
24. 2014- Present- Faculty Senate Honorary Degrees and Awards Committee- University of Nebraska Medical Center

25. 2014- Present- Faculty Senate Membership and Elections Committee- University of Nebraska Medical Center
26. 2015- Present- Graduate survey committee- GME- University of Nebraska Medical Center
27. 2015- Education Committee- Nebraska Health Network (NHN)
28. 2015- Present- International Health Steering committee- Nebraska Medicine
29. 2016- Present- Palliative Care Committee- Nebraska Medicine
30. 2016- Present- Patient Satisfaction Committee- Nebraska Medicine
31. 2017- Present- Chair- Graduate Medical Education Committee- University of Nebraska Medical Center
32. 2017- Present- Chair- Graduate Medical Education Committee- Clarkson Family Medicine Program- Nebraska Medicine
33. 2017- Present- UNMC ACE (American Council on Education) Internationalization Lab Steering Committee
34. 2017- Present- UNMC- Opioid Task Force Committee with the State of Nebraska to form Addiction Medicine Fellowship.
35. 2018- Present- Wellbeing Coordinating Council- University of Nebraska Medical Center.
36. 2018- Present- Chair- GME Crisis Response Team (CRT)
37. 2019- 2020- Co-Chair- Accreditation Subcommittee- UNMC College of Medicine
38. 2020- Pandemic Workforce Committee- Nebraska Medicine
39. 2021 Interview Cycle GME Committee

**PRESENTATIONS:****INVITED SPEAKER:**

1. Grand rounds. March 2003. Northwest Hospital, Baltimore, MD. "Impact of Laparoscopic Surgery on the Acute Phase Response".
2. Grand rounds. Feb 2003, Sinai Hospital, Baltimore, MD. Aortic dissection.
3. Grand Rounds. November 2005, Mayo Clinic, Scottsdale, Arizona. "Surgical Management of Colorectal Liver Metastasis".



4. 2<sup>nd</sup> Annual Fall Midwest Thoracic and GI Oncology Conference. Oct 2007. "New strategies in the management of hepatic colorectal metastasis".
5. First year medical students, Oct 2007. "Clinical correlation of pancreatic cancer combined with pancreaticoduodenectomy on cadaver".
6. PA/PT students. Oct 2007. "Anatomical/Clinical correlation of pancreatic cancer combined with pancreaticoduodenectomy on cadaver".
7. GI conference- UNMC - Dec 2007- Gastric cancer.
8. M1/M2 core lecture- UNMC Feb 2008- Hepato-pancreato-biliary malignancies.
9. First year medical students, Oct 2008. "Clinical correlation of pancreatic cancer combined with pancreaticoduodenectomy on cadaver".
10. PA/PT students. Nov 2008. "Anatomical/Clinical correlation of pancreatic cancer combined with pancreaticoduodenectomy on cadaver".
11. 3<sup>rd</sup> Annual Midwest Thoracic and GI Oncology conference- Nov 2008- "Hepatic resection for non-colorectal non neuroendocrine metastasis".
12. MNJ Cancer Hospital, Hyderabad, Andhra Pradesh, India. 2008 "New strategies in the management of hepatic colorectal metastasis".
13. MNJ Cancer Hospital, Hyderabad, Andhra Pradesh, India. 2008 "Global cancer burden and disparities in care."
14. M1/M2 core lecture- UNMC Feb 2009- Hepato-pancreato-biliary malignancies.
15. Nursing Grand rounds- UNMC- August 19<sup>th</sup> 2009- Global Disparities in Health Care- What can we do?
16. Medical Oncology Fellows lecture- Management of Colorectal metastasis-2009.
17. Gastroenterology Fellows lecture- Gastric Cancer-2009.
18. Indian Association of Surgical Oncology- Annual Meeting 2009, Kolkata, India. Disparities in cancer care between India and USA.
19. Hyderabad Surgical Society Meeting, Hyderabad, Andhra Pradesh, India, Oct 1<sup>st</sup> 2009- Disparities in cancer care between India and USA.
20. M1/M2 core lecture- UNMC Feb 2010- Hepato pancreato biliary malignancies.

21. Indian Association of Surgical Oncology- Annual meeting, Mumbai, India, September 2010- Borderline resectable pancreatic cancer- current strategies
22. Indian Association of Surgical Oncology- Annual meeting, Mumbai, India, September 2010- A survey of current educational environment for Oncologists in India.
23. Association of Surgeons of India- Andhra Pradesh Chapter, India- Annual meeting September 2010: Current strategies in the surgical management of colorectal hepatic metastasis.
24. Department of Medicine Grand Rounds: University of Nebraska Medical Center: Current management of hepatic colorectal metastasis: November 2011.
25. Asian Cancer Congress, New Delhi, India, December 2010: Borderline resectable pancreatic cancer.
26. Asian Cancer Congress, New Delhi, India, December 2010: Surgical management of colorectal liver metastasis.
27. Osmania General Hospital, Hyderabad, Andhra Pradesh, India. Dec 2010- Educational opportunities in the USA and UK.
28. Osmania General Hospital, Hyderabad, Andhra Pradesh, India. Dec 2010. Principles of hepatic resection.
29. M1/M2 core lecture- UNMC Feb 2011- Hepato-pancreato-biliary malignancies.
30. Society of Continuing Medical Education, Spring Meeting, New York, April 2011: Healthcare in India; Public health perspectives and CME partnerships.
31. Great Plains Regional Medical Center, North Platte, Nebraska: Current management of colorectal liver metastasis- April 28<sup>th</sup> 2011.
32. Indian Association of Surgical Oncology- Annual meeting- Lucknow, India, Septmeber 2011: IASO and globalization- the time is right ???
33. Indian Association of Surgical Oncology- Annual meeting- Lucknow, India, September 2011: Neuroendocrine tumors: management of primary, limited versus radical surgery: What is the need of the hour?
34. Indian Association of Surgical Oncology- Annual meeting- Lucknow, India, September 2011: Presenting the Best of Society of Surgical Oncology annual meeting 2011.

35. Indo-American Cancer Center, Hyderabad, Andhra Pradesh, India, September 22<sup>nd</sup> 2011: Neuroendocrine tumors: management of primary, limited versus radical surgery: What is the need of the hour?
36. UNMC Grand Rounds- Factors governing General Surgery residency training- Oct 12<sup>th</sup> 2011.
37. UNMC Neurology Grand Rounds- Factors governing Residency training- January 26<sup>th</sup> 2012.
38. M1/M2 core lecture- UNMC Feb 2012- Hepato-pancreato-biliary malignancies.
39. SPORE in Pancreatic Cancer meeting, UNMC, Feb 2012- RNA sequencing for prognostication of patients with pancreatic cancer.
40. Expanding the Global Cultural Perspective- UNMC, May 10<sup>th</sup> 2012- Panel Member
41. India Update Meeting with the President of the University of Nebraska, JB. Milliken, Lincoln, July 11<sup>th</sup> 2012.
42. MNJ Cancer Hospital, Hyderabad, Andhra Pradesh, India. Post graduate education: The Past, Present and the Future. August 9<sup>th</sup> 2012
43. Indo- American Cancer Center, Hyderabad, Andhra Pradesh, India. Post graduate education: The Past, Present and the Future. August 9<sup>th</sup> 2012
44. Surgical Oncology Society, Hyderabad, Andhra Pradesh India. Algorithm in the management of colorectal metastasis. August 10<sup>th</sup> 2012
45. Indian Association of Surgical Oncology- Annual meeting- Goa, India, 2012. Risk stratification for hepatic and pancreatic surgery. October 5<sup>th</sup> 2012
46. Indian Association of Surgical Oncology- Annual meeting-Goa, India, 2012. Presenting the "Best of Society of Surgical Oncology annual meeting 2012." October 6<sup>th</sup> 2012.
47. Great Plains Regional Medical Center, North Platte Nebraska, December 17<sup>th</sup> 2012. Risk stratification prior to hepatopancreatic resection/other GI surgery and relevance or risk stratification to the Affordable Care Act.
48. Association of Academic Surgery-Annual meeting, New Orleans, 2013. Global Health and Academic Surgery: Program Directors perspective.
49. M1/M2 core lecture- UNMC Feb 20<sup>th</sup>, 2013- Hepato-pancreato- biliary malignancies.

50. Institute for Healthcare Improvement lecture- "Quality" University of Nebraska Medical Center- March 5<sup>th</sup> 2013
51. Extreme Affordability Conference- Center for Global Surgery, Salt Lake City, Utah, March 29<sup>th</sup> 2013
52. Surgery Interest Group- University of Nebraska Medical Center, April 2<sup>nd</sup> 2013- How to stand out in Surgical Residency
53. Residency symposium- University of Nebraska Medical Center- April 20<sup>th</sup> 2013
54. Old Program Directors Workshop: Successes and challenges with new PGY I duty hour restrictions. Association of Program Directors in Surgery, Annual meeting, Orlando, Florida, 2013.
55. Korle Bu Teaching hospital, Accra, Ghana. Risk stratification and relevance to health care. June 13<sup>th</sup> 2013
56. 8<sup>th</sup> Annual Midwest Thoracic and GI symposium, Omaha, Nebraska. Current controversies in hepatic resection for colorectal metastasis. October 4<sup>th</sup> 2013
57. Indian Cancer Congress, New Delhi, India, Best of SSO. November 2013
58. Indian Cancer Congress, New Delhi, India, Current controversies in hepatic resection for colorectal metastasis. November 2013
59. M1/M2 core lecture- UNMC Feb 19<sup>th</sup>, 2014- Hepato-pancreato- biliary malignancies.
60. National Comprehensive Cancer Network 19<sup>th</sup> Annual conference: Gallbladder Cancer: Current treatment and future perspectives. Hollywood, Florida, March 2014.
61. University of Nebraska Medical Center Grand rounds: The FIRST Trial. May 21<sup>st</sup> 2014
62. University of Nebraska Medical Center Grand rounds: Gallbladder cancer: Current treatment and future perspectives. August 6<sup>th</sup> 2014.
63. University of Nebraska Medical Center M.D/Ph.D. Scholars retreat program: Residency selection. August 8<sup>th</sup> 2014, Nebraska City, NE.
64. University of Nebraska Medical Center- Medical Anatomy Master's Degree- Inaugural seminar. August 29<sup>th</sup>, 2014
65. 9<sup>th</sup> Annual Fall Midwest Thoracic and GI conference: Update in the management of cholangiocarcinoma. October 3<sup>rd</sup> 2014

66. Association of Academic Surgery- Hot Topics session- Annual meeting, Las Vegas, February 5th 2015. Funding for graduate medical education in Academic Centers- A proposed model for the evolving health care environment.
67. Surgical Outcomes Club (AAS and SUS sponsored): Global Health for the surgeons, February 12<sup>th</sup>, 2015
68. M1/M2 core lecture- UNMC Feb 18<sup>th</sup>, 2015- Hepato-pancreato- biliary malignancies.
69. M1/M2 Small group - UNMC Feb 18<sup>th</sup>, 2015- Hepatic neoplasms.
70. Residency symposium- UNMC, April 11<sup>th</sup> 2015- "How to prepare for a career in general surgery"
71. High School Alliance- UNMC- "A career in Surgery"- May 12<sup>th</sup> 2015
72. The Johns Hopkins Medical Institutions Biennial meeting, Baltimore, Maryland: Global health for Surgeons: A calling or an academic endeavour. June 5<sup>th</sup> 2015
73. Indian Medical Association, Hyderabad, India. Gallbladder cancer: Current treatment and future perspectives. July 28<sup>th</sup> 2015
74. Gandhi Medical College, Hyderabad, India. Gallbladder cancer: Current treatment and future perspectives. July 30<sup>th</sup>, 2015
75. Indian Association of Surgical Oncology Annual meeting, Bhubaneshwar, India: Pancreas cysts. September 19<sup>th</sup> 2015
76. Basavatarakam Indo American Cancer and Research Center, Hyderabad, India: Pancreas cysts. September 24<sup>th</sup> 2015
77. 10<sup>th</sup> Annual Fall Midwest Thoracic and GI Conference: Update on treatment of gallbladder cancer. October 9<sup>th</sup> 2015
78. Grand Rounds Speaker- Duty Hours: The Past/The Present/The Future-Bronx Lebanon Hospital Center, New York. October 21<sup>st</sup>, 2015
79. M1/M2 core lecture- UNMC Feb 24<sup>th</sup>, 2016- Hepato-pancreato- biliary malignancies.
80. M1/M2 Small group - UNMC Feb 24<sup>th</sup>, 2016- Hepatic neoplasms
81. 12<sup>th</sup> International Conference of Asian Clinical Oncology Society (ACOS): Borderline resectable

- pancreatic cancer: extending the limits of surgical resection. New Delhi, India. April 8<sup>th</sup>,2016
82. King George Medical University, Lucknow, India: Grand Rounds, Sept 17<sup>th</sup> 2016- Global curriculum in Surgical Oncology
  83. King George Medical University, Lucknow, India: Surgical Oncology Conference, Sept 17<sup>th</sup> 2016- Update in the management of gallbladder cancer
  84. Indian Association of Surgical Oncology Annual meeting, Jodhpur, India: Global curriculum in surgical Oncology, Sept 24<sup>th</sup>, 2016
  85. Indian Association of Surgical Oncology Annual meeting, Jodhpur, India: Presenting Best of SSO, Sept 24<sup>th</sup> 2016
  86. 11<sup>th</sup> Annual Fall Midwest Thoracic and GI Conference: Updates in the treatment of borderline resectable pancreatic cancer. October 7<sup>th</sup>, 2016
  87. M1/M2 core lecture- UNMC Feb 22<sup>nd</sup>, 2017- Hepato-pancreato- biliary malignancies.
  88. Department of Surgery Grand Rounds- Feb 22<sup>nd</sup>, 2017- General Surgery Residency Program- Past, Present and Future
  89. Updates on Borderline resectable pancreatic cancer- July 26<sup>th</sup> 2017- Pratima Institute of Medical Sciences, Karimnagar, Telangana, India
  90. Residency training- Past, Present and the Future- July 26<sup>th</sup>, 2017- Pratima Institute of Medical Sciences, Karimnagar, Telangana, India
  91. Updates on Borderline resectable pancreatic cancer- July 27<sup>th</sup>, 2017- Basavatarkam Indo-American Cancer Hospital and Research Center, Hyderabad, Telangana, India.
  92. GME- Past, Present and the Future- August 23<sup>rd</sup>, 2017. Department of Pathology, University of Nebraska Medical Center.
  93. GME- CLER- September 27<sup>th</sup>, 2017, Board of Quality, University of Nebraska Medical Center.
  94. GME- New CPR and CLER- September 28<sup>th</sup>, 2017. General Surgery Residency Faculty Development, University of Nebraska Medical Center.
  95. Cancer Care Issues specific to Low to Middle Income countries- November 11<sup>th</sup>, 2017. Indian Cancer Congress, Bengaluru, India.

96. Best of SSO Presentation- November 11<sup>th</sup>, 2017- Indian Cancer Congress, Bengaluru, India
97. Updates on Borderline resectable pancreatic cancer- January 31<sup>st</sup>, 2018-Krishna Institute of Medical Sciences
98. Global Forum of Cancer Surgeons- June 6<sup>th</sup>, 2018- National Cancer Institute (NCI) Mexico City, Mexico
99. Pancreas cancer- What has changed in the last 30 years? Great Plains Health, North Platte, August 16<sup>th</sup>, 2018
100. Best of SSO Presentation- September 22<sup>nd</sup>, 2018- Annual meeting Indian Association of Surgical Oncology- Tiruvananthapuram, Kerala, India
101. How to stimulate/integrate research into the surgical oncology environment in India- September 21<sup>st</sup>, 2018- Annual meeting Indian Association of Surgical Oncology, Tiruvananthapuram, Kerala, India
102. Pancreas Cancer- What has changed in the last 30 years? -November 28<sup>th</sup>, 2018-UNMC Department of Surgery, Grand rounds
103. Pancreas Cancer- What has changed in the last 30 years?- December 29<sup>th</sup> 2018-Association of Surgeon of India, Annual meeting, Chennai, India
104. Pancreas Cancer- What has changed in the last 30 years?- January 30<sup>th</sup>, 2019. St. Francis Cancer Treatment Center, Grand Island, Nebraska
105. Pancreatic Neuroendocrine tumors. May 3<sup>rd</sup>, 2019. Throckmorton Surgical Society, Iowa Methodist Medical Center
106. Traits of a good surgeon. May 3<sup>rd</sup>, 2019. Throckmorton Surgical Society, Iowa Methodist Medical Center
107. Pancreatic neuroendocrine tumors. May 20<sup>th</sup>, 2019. All India Institute of Medical Sciences, New Delhi, India
108. Traits of a good surgeon. May 21<sup>st</sup> 2019. Yennepoya University, Mangalore, India
109. Research Methodology Session, September 20<sup>th</sup> 2019- Annual Meeting, Indian Association of Surgical Oncology, Kolkata, India
110. Best of SSO, September 21<sup>st</sup> 2019- Annual Meeting, Indian Association of Surgical Oncology, Kolkata, India

111. Session on Global Surgical Oncology, October 24<sup>th</sup> 2019-XIV Brazilian Congress of Oncologic Surgery, Rio de Janeiro
112. Neuroendocrine tumors: Worldwide incidence, updates in diagnostic and staging methods, October 26<sup>th</sup> 2019- XIV Brazilian Congress of Oncologic Surgery, Rio de Janeiro
113. Graduate Medical Education, March 4<sup>th</sup>, 2020: Obstetrics & Gynecology Annual Educational Retreat, UNMC, Omaha.
114. How to stimulate/integrate research into the surgical oncology environment in India. Basavatarakam Indo American Cancer Hospital and Research Institute. December 13<sup>th</sup>, 2020

**ABSTRACT ORAL PRESENTATIONS:**

1. Freyer's meeting. Galway, Ireland. 1994 Acoustic Neuroma-A review of 58 patients and correlation of tumour size to outcome of surgery.
2. GUT club-Gastroenterology-Ireland, October 1994 Sacral Chordomas.
3. Royal Academy of Medicine-Sylvester O'Halloran Surgical Section, Ireland, April 1994. Acoustic Neuroma-A review of 58 patients and correlation of tumour size to outcome of surgery.
4. SAGES, April 2001, St.Louis Missouri CO2 Alters Acute Phase Response Induced By Bacterial Lipopolysaccharide.
5. SAGES- Plenary- April 2001, St.Louis Missouri. Decreased Cardiac Output in Humans During Laproscopic Anti-reflux surgery- Direct Measurements.
6. SAGES, 2002, New York, New York The properties of pneumoperitoneum modifies acute phase response induced by bacterial lipopolysaccharide.
7. SAGES, Ft Lauderdale, April 2005 Initial experience with hand-assisted Laparoscopic distal pancreatectomy.
8. SSO, San Diego 2006 Management of PET detected thyroid incidentalomas.
9. AHPBA, Florida 2006 Laparoscopic versus Open Liver Resection: A Comparative Study.



10. AHPBA- Plenary- Florida 2006 The Impact of Margins on Outcome following Hepatic Resection for Colorectal Metastasis.
11. IHPBA, Edinburgh, Scotland 2006 Optimal criteria for hepatic resection for colorectal metastasis in presence synchronous extrahepatic disease.
12. IHPBA, Edinburgh- Plenary-Scotland 2006 Influence of post op morbidity on long term survival following hepatic resection for colorectal metastasis.
13. SAGES, Las Vegas 2007 True incidence of Port site metastasis (PSM) following minimally invasive oncologic surgery.
14. SSO, Washington DC 2007 Biologic aggressiveness of PET detected incidental thyroid carcinomas?.
15. IHPBA- Mumbai 2008 Feasibility of Laparoscopic portal vein ligation prior to major hepatectomy.
16. CGEA - Rochester, MN 2009. An Experience in Surgical Anatomy to Foster Mentoring between Practicing Surgeons and MS1 Students: A Pilot Study.
17. SSAT- Plenary- Chicago, IL 2009. Pre-operative nomogram to predict peri-operative mortality following pancreatectomy for malignancy.
18. AHPBA/IHPBA- Argentina 2010. National trends in discharge disposition following hepatic resection for malignancy.
19. AHPBA/IHPBA- Argentina 2010. Transforming growth factor-beta dependent suppression of hepatic metastasis from colon cancer.
20. SSAT- New Orleans, 2010. Pre-operative nomogram to predict risk of peri-operative mortality following hepatic resection for malignancy.
21. AHPBA/IHPBA- Argentina 2010. The benefit of intra-operative ultrasound in the management of suspected gallbladder cancer.
22. Academic Surgical Congress- Las Vegas 2015. A survey of surgical educators' perceptions of public health training. 2015.

**NATIONAL/INTERNATIONAL MEETINGS Assignments/Leadership:**

1. SAGES Annual meeting abstract reviewer:  
2006,2007,2008

2. Panel Chair/Moderator: SAGES Annual meeting, Phoenix, 2009: SAGES/SSAT Joint symposium of Upper GI malignancies
3. Organizing committee: Asian Cancer Congress, New Delhi, India December 2010.
4. Directed the joint Plenary session of the Society of Surgical Oncology and Indian Association of Surgical Oncology, India at the 2010 Annual meeting in Mumbai, India.
5. Coordinate joint- meeting activities (presentation, Best of SSO, lectures) between SSO and IASO since 2009.
6. Moderator/Speaker: Surgical Oncology in the developing world: A global opportunity for the SSO. SSO Annual meeting, San Antonio, 2011.
7. Moderator/Speaker: "Global health and academic surgery: Practical perspectives". Academic Surgical Congress, New Orleans, February 2013
8. SAGES Annual meeting: International Investigator reviewer, 2014.
9. Indian Association of Surgical Oncology, Annual meeting, Chennai, India, 2014. Chair- Controversies in gastrointestinal oncology-Vascular resection in pancreatic cancer- current status.
10. Indian Association of Surgical Oncology, Annual meeting, Chennai, India, 2014. Moderator- Focus on Young surgical oncologist- educational strategies
11. Indian Association of Surgical Oncology, Annual meeting, Chennai, India, 2014. Panelist- Gastrointestinal tumors.
12. Association of Academic Surgery- Annual meeting- Las Vegas 2015. Funding for graduate medical education in Academic Centers- A proposed model for the evolving health care environment.
13. Association of Academic Surgery- Annual meeting- Las Vegas 2015. Moderator: Integrated Oral Presentation Sessions I: Clinical/Outcomes
14. American Hepato-Pancreato-Biliary Association- Annual meeting- Miami Beach 2015. Moderator- Pancreas Oncology
15. Indian Association of Surgical Oncology- Annual meeting, Bhubaneshwar, India, 2015- Moderator- GI case capsules

16. World Cancer Congress- SSO/ASCO/WHO joint session: Educating the cancer care professionals of the 21<sup>st</sup> century- implications for investment in transformative education to integrate NCD's and focus on novel global educational curricula in oncology. Kuala Lumpur, Malaysia, October 4<sup>th</sup>, 2018
17. International Hepatopancreatobiliary Association (IHPBA)- Session Chair- Current Status of the RAMPS distal pancreatectomy. Geneva, Switzerland, September 7<sup>th</sup>, 2018
18. Americas Hepatopancreatobiliary Association Annual meeting- Moderator- Young Investigator Award- Miami, FL, March 22<sup>nd</sup> 2019
19. Association of Surgical Education Annual meeting- Discussant- ASE Plenary session, Chicago, IL, April 25<sup>th</sup>, 2019
20. American College of Surgeons Annual Meeting-2020- Promoting Surgical Research in the Global South (Low and middle income countries)- October 5<sup>th</sup>, 2020- Moderator
21. European Society of Surgical Oncology Annual Meeting-2020- Scientific Program Committee for Virtual Meeting
22. European Society of Surgical Oncology Annual Meeting-2020- HPB Updates Panel- Moderator

**COMMUNITY SERVICE:**

1. Complete funding for the upbringing and education (K-12) of one to two children every year in India from 1993.
2. Award of Excellence for community service rendered to the Asian Indian community of Nebraska- 2015
3. World Health Organization: Global Initiative for Emergency and Essential Surgical Care (GIEESC) research working group
4. World Health Organization GIEESC Education and Training Working Group: Committee Lead for General Surgery- Instrumental in updating the Surgical Care at the District Hospital manual published by WHO-

2013. Coordinated the chapter updates work for General Surgery.
5. President Elect: 2010: India Association of Nebraska
  6. President: 2011: India Association of Nebraska
  7. 2011- As the President of the India Association of Nebraska organized "Bharat Mela": a cultural event showcasing the history and culture of India- October 2<sup>nd</sup> 2011. This event was attended by approximately 901 people and raised \$ 17,000 for charitable activities.
  8. Initiated and instrumental in starting a new scholarship (\$ 500.00) for the University of Nebraska Medical Center which is awarded to a successful researcher.
  9. Promoting diversity based activities on campus with involvement in multi-cultural events and sponsoring some of these events on campus.
  10. In collaboration with the Indian Association of Surgical Oncology- established Dr. Dasaratha Naidu Are Best of SSO Session at the Annual meeting of IASO.

#### **PUBLICATIONS:**

##### **a. ARTICLES PUBLISHED IN SCHOLARLY JOURNALS:**

1. **Are C,** El-Jamel M, Vianni L, Rawluk D. Acoustic Neuroma-A review of 58 patients and correlation of tumor size to outcome of surgery. Irish Medical Journal 88 (3): 104-5. 1995.
2. **Are C,** Talamini MA. Current Knowledge Regarding The Biology of Pneumoperitoneum Based Surgery. Current Problems in General Surgery 18; 52-63, 2001.
3. Brock MC, **Are C,** Wu T.T, Canto M, Yang S Heitmiller RF. Polypoid oesophageal adenocarcinoma- A clinic-pathological variant of oesophageal cancer ?Current Surgery. 59 (3):336-341. 2002.
4. **Are C,** Kutka MF, Talamini MA. Effect of laparoscopic anti-reflux surgery upon renal blood flow. Am J Surg 183:419- 423. 2002.
5. **Are C,** Talamini MA, Murata K, DeMaio A. Carbon dioxide pneumoperitoneum alters Acute Phase Response Induced by Bacterial Lipopolysaccharide. Surgical Endoscopy 16 (10): 1464-7. 2002.
6. Fishel R, **Are C,** Barbul A. Vessel injury and capillary leak Critical Care Medicine, 31 (8) 502-511 2003.

7. **Are C,** Hardacre JM, Talamini MA, Murata K, Frank S. Decreased Cardiac Output in Humans During Laparoscopic Anti-reflux surgery- Direct Measurements. *Journal of Laparoendoscopic and Advanced Surgical Technique*, June 2003;13 (3): 139-46.
8. **Are C,** Raman SP, Talamini MA. Decreased porcine uterine blood flow during Laparoscopic Nissen Fundoplication. *Journal of Gynaecologic Surgery* 2004; 20(4): 113-118.
9. **Are .C,** Shaha AR. Anaplastic thyroid carcinoma: Biology, Pathogenesis, Prognostic factors and treatment approaches. *Annals of Surg Onc-* 2006; 13(4):453-64.
10. **Are C,** Talamini MA. Laparoscopy and malignancy. *J Laparoendosc Adv Surg Tech A*. 2005 Feb; 15(1):38-47.
11. **Are C,** Fong Y, Geller D. Laparoscopic liver resections. *Advances in Surgery*-2005 39: 57-75.
12. D'Angelica M, **Are C,** Jarnagin WR, DeMatteo RP, Coit DG, Jaques DP, Blumgart LH, Brennan MF, Fong Y. Initial Experience with Hand-Assisted Laparoscopic distal pancreatectomy. *Surgical Endoscopy*. 2006 Jan; 20(1):142.
13. **Are C,** Hsu J, Schoder H, Shah J, Larson S, Shaha A. PET detected thyroid incidentalomas: Need for further investigation. *Ann Surg Onc*-2007 Jan; 14(1):239-47.
14. **Are C,** Gonen M, D'Angelica M, DeMatteo RP, Fong Y, Blumgart LH, Jarnagin WR. Differential diagnosis of proximal biliary obstruction. *Surgery*- 2006 Nov; 140(5):756-63.
15. **Are C,** Hsu JF, Ghossein R, Schoder H, Shah JP, Shaha AR. Histologic Aggressiveness of Positron Emission Tomogram (PET)-Detected Incidental Thyroid Carcinomas? *Ann Surg Onc*-2007; 14: 3210-5.
16. Gold J, **Are C,** Kornprat P, Jarnagin WR, Gonen M, Fong Y, DeMatteo RP, Blumgart LH, D'Angelica MD. Increased use of parenchymal-sparing surgery for bilobar colorectal liver metastasis is associated with reduced mortality without change in oncologic outcome. *Ann Surg*-2008; 247:109-117.
17. **Are C,** Gonen M, Zazzali K, DeMatteo RP, Jarnagin WR, Fong Y, Blumgart LH, D'Angelica MD. Impact of

- margins on outcome following hepatic resection for colorectal metastasis. *Ann Surg*- 2007;246: 295-300.
18. **Are C**, Brennan MF, D'Angelica M, Fong Y, Jarnagin W, Park B, Strong V, Toujier A, Weiser M, Abu-rustum NR. Current Role of Therapeutic Laparoscopy and Thoracoscopy in the management of Malignancy: A Review of Trends from a Tertiary Care Cancer Center. *J Am Coll Surg* 2008;206: 709-718.
  19. Ito H, **Are C**, Gonen M, D'Angelica M, DeMatteo RP, Kemeny NE, Fong Y, Blumgart LH, Jarnagin WR. Effect of Postoperative Morbidity on Long-term Survival after Hepatic Resection for Metastatic Colorectal Cancer. *Ann Surg* 2008; 247: 994-1002.
  20. **Are C**, Iacovitti S, Prete F, Crafa FM. Feasibility of Laparoscopic portal vein ligation prior to major hepatectomy. *HPB*; 10(4): 229-33, 2008.
  21. **Are C**, Stoddard H, Huggett K, Franzen J, Mack A, Thompson J. A regional perspective on the attitudes of fourth year medical students towards the field of General Surgery. *J Surg Education* 2009; 66:123-8.
  22. Bruzoni M, Parikh P, Celis R, **Are C**, Ly QP, Meza J, Sasson AR. Management of primary tumor in patients with metastatic pancreatic neuroendocrine tumor: A contemporary single institution review; *Am J Surg* 2009;197: 376-381.
  23. **Are C**, Stoddard H, Miller L, Thompson J, Todd G. An experience in surgical anatomy to foster mentoring pathways between practicing surgeons and first year medical students; A pilot study. *J Surg Education* 2009; 66:186-9.
  24. Carpizo DR, **Are C**, Jarnagin WR, DeMatteo R, Fong Y, Gonen M, Blumgart L, D'Angelica M. Liver Resection for Metastatic Colorectal Cancer in Patients with Concurrent Extrahepatic Disease: Results in 127 Patients Treated at a Single Center. *Ann Surg Onc*, 2009; 16: 2138-46.
  25. **Are C**, Afuh C, Sasson AR, Ullrich F, Smith L. Pre-operative nomogram to predict peri-operative mortality following pancreatectomy for malignancy. *J Gastrointest Surg*, 2009; 13:2152-62.
  26. Ito K, Ito H, **Are C**, Allen P, Fong Y, DeMatteo RP, Jarnagin WR, D'Angelica MI. Laparoscopic versus open liver resection: A matched pair case control study. *J Gastrointest Surg*, 2009; 13:2276-83.

27. **Are C**, Colburn L, Rajaram S, Vijayakumar M. Disparities in cancer care between the United States of America and India and opportunities for surgeons to lead. J Surgical Oncology 2010; 102: 100-105.
28. **Are C**, Simms N, Rajput A, Brattain M. Transforming growth factor-beta dependent suppression of hepatic metastasis from colon cancer. HPB 2010;12:498-506
29. Dhir M, Smith L, Ullrich F, Leiphrakpam, Ly,Q, Sasson, A, **Are, C**. Pre-operative nomogram to predict risk of peri-operative mortality following hepatic resection for malignancy. J Gastrointest Surg 2010;14: 1170-1181
30. **Are C**, Stoddard H, Thompson J, Todd G. The influence of surgical demonstrations during an Anatomy course on the perceptions of first year medical students towards surgeons and a surgical career. J Surg Educ 2010;67:320-324
31. Shah B, Ulrich F, Leiphrakpam P, Ly Q, Sasson A, **Are C**. National trends in discharge disposition following hepatic resection for malignancy. Epub: HPB 2011; 13: 96-102
32. **Are C**, Stoddard H, Northam L, Thompson J. An international perspective on interest in a General Surgery career among final year medical students. Am J Surg 2011;202: 352-356
33. **Are C**, M. Dhir, L. Ravipati. History of pancreaticoduodenectomy: Early misconceptions, initial milestones and the pioneers. HPB 2011;13:377-84
34. Dhir M, Lyden ER, Wang A, Smith LM, Ullrich F, Ly Q, Sasson A, **Are C**. Influence of margins on overall survival following hepatic resection for colorectal liver metastasis: A meta-analysis. Ann Surg 2011;254:234-242
35. Dhir M, Reddy S, Smith L, Ullrich F, Wallis Marsh J, Tsung A, Geller D, **Are C**. External validation of a pre-operative nomogram predicting peri-operative mortality following liver resection for malignancy. HPB 2011;13: 817-822
36. Carson J, Smith L, Are M, Edney J, Mercer D, Thomspom J, **Are C**. National trends in laparoscopic and open operative experience of graduating general surgery residents: Implications for surgical skills curricula development. Am J Surg 2011;202: 720-726

37. **Are C**, Lomneth C, Stoddard H, Azarow K, Thompson J. A preliminary review of a pilot curriculum to teach open surgical skills during General Surgery residency with initial feedback. *Am J Surg* 2012;204: 103-109
38. **Are C**, Stoddard H, O'Holleran B, Thompson JS. A Multi-national Perspective on "Lifestyle" and other Perceptions of Contemporary Medical Students about General Surgery. *Ann Surg* 2012;256:378-386
39. Shah B, Smith L, Ullrich F, **Are C**. Discharge disposition after pancreatic resections for malignancy: Analysis of national trends. *HPB* 2012;14: 201-208
40. **Are C**, Are M, Hemanth Raj, Manavalan V, Colburn L, Stoddard H. A survey of educational environment for Oncologists as perceived by Oncology professionals in India. *World J Surg Oncology*.2012 Jan 23; 10:18.
41. Dhir M, Lyden E, Smith L, **Are C**. Comparison of outcomes for Transplantation versus Resection in patients with early hepatocellular carcinoma: A Meta-analysis. *HPB*; 2012;14:635-645
42. Dhir M, Smith L, Lyden E, **Are C**. Influence of margins on disease free survival following hepatic resection for colorectal metastasis. *Indian J of Surg Oncology*;2012;3: 321-329
43. Dhir M, Smith L, Ly Q, Sasson A, **Are C**. A pre-operative nomogram to predict perioperative risk of mortality following gastric resection for malignancy. *J Gastrointest Surg* 2012-16: 2026-36
44. **Are C**, Rajaram S, Are M, Raj H, Anderson BO, Vijayakumar M, Song T, Pandey M, Edney JA, Cazap E. Review of Global Cancer Burden: Trends, Challenges, Strategies and a role of surgeons. *J Surg Oncology*; 2013;107:221-226
45. Gleason MX, Mdzinarishvili T, **Are C**, Sasson A, Sherman A, Shats O, Sherman S. Prognostic estimator of survival for patients with localized and extended pancreatic ductal adenocarcinoma. *Cancer Informatics* 2013;18:103-114
46. Pai P, Rachagani S, **Are C**, Batra SK. Prospects of miRNA-based therapy for pancreatic cancer. *Curr Drug Targets* 2013; 14:1101-1109
47. Geng L, Chaudhuri A, Talmon G, Wisecarver JL, **Are C**, Brattain M, Wang J. MicroRNA-192 suppresses liver



- metastasis of colon cancer. *Oncogene* 2013, Nov 11.doi.10.1038/onc.2013.478. Epub ahead of print.
48. Leiphrakpam PD, Rajput A, Mathiesen M, Agarwal E, Lazenby AJ, **Are C**, Brattain M, Chowdhury S. Ezrin expression and cell survival regulation in colorectal cancer. *Cellular Signal*.2014;26:868-879
  49. Gifford E, Galante J, Kahi AH, Nguyen V, Nelson T, Sidwell TA, Hartranft T, Jarman B, Melcher M, Reeves M, Reid C, Jacobsen GR, Thompson J, **Are C**, Smith B, Arnell T, Hines OJ, deVirgilio C. General Surgery residents have an increased desire to quit at high attrition residencies- A multi-institutional study. *JAMA Surgery*- Epub, 2014:doi:10:1001/jamasurg.2014.935
  50. **Are C**. Common controversies in the management of gall bladder cancer. *J Natl Compr Canc Netw*. 2014; 12: 833-85.
  51. Benson AB 3<sup>rd</sup>, D'Angelica MI, Abrams TA, **Are C**, et al. Hepatobiliary cancers, version 2.2014. *J Natl Compr Canc Netw*. 2014; 12: 1152-82.
  52. Mullapudi B, Hawkes PJ, Patel A, **Are C**, Misra S. Borderline resectable pancreatic cancer. *Indian Journal of Surgical Oncology*. 2015;6:63-68
  53. **Are C**, Malik M, Patel A, Wong S, Balch C. The training and certification of surgical oncologists globally. *Annals of Surgical Oncology*. 2015;22:710-718
  54. Kolkman P, Soliman M, Kolkman M, Stack A, T Subramanyeshwar Rao, Mukta S, Schmid K, Thompson J, **Are C**. Comparison of resident operative case logs during a surgical oncology rotation in the United States and an International Rotation. *Ind J of Surg Onc*. 2015;6: 36-40
  55. Are C, Patel A. Current status and future directions in the management of pancreatic cancer. *Ind J of Surg Onc*. 2015;6:3-5
  56. Kim JJ, Kim DY, Kaji AH, Gifford ED, Reid C, Sidwell RA, Reeves ME, Hartranft TH, Inaba K, Jarman BT, **Are C**, Galante JM, Amersi F, Smith BR, Melcher ML, Nelson MT, Donahue T, Jacobsen G, Arnell TD, deVirgilio C. Reading habits of general surgery residents and association with American Board of Surgery In-Training Examination performance. *JAMA Surg* 2015;150:882-889

57. Kim JJ, Gifford ED, Moazzez A, Sidwell RA, Reeves ME, Hartranft TH, Inaba K, Jarman BT, Are C, Galante JM, Amersi F, Smith BR, Melcher ML, Nelson MT, Donahue T, Jacobsen G, Arnell TD, Lee S, Neville A, deVirgilio C. Program factors that influence ABSITE performance: a multi-institutional study. *J Surg Educ* 2015;26: 1931
58. Kolkman P, Stack A, Are C. Variations in the histopathologic type of esophageal carcinoma between the United States of America and India. *Ind J of Surg Onc* 2016 Mar 7;1: 52-55
59. Douahier J, Dhir M, Smith L, Are C. Differences in perioperative outcomes between right and left hepatic lobectomy. *Ind J Surg Onc*. 2016 Mar 7;1: 44-51
60. Dhir M, Douiaher J, Melin A, Are C. A review and update of treatment options and controversies in the management of hepatocellular carcinoma. *Annals of Surgery- Epub ahead of print- Jan 2016*
61. Are C. Workforce needs and demands in Surgery. *Surg Clin North Am* 2016;96:95-113
62. Watley DC, Ly QP, Talmon G, Are C, Sasson AR. Clinical presentation and outcome of nonfunctional pancreatic neuroendocrine tumors in a modern cohort. *Am J Surg* 2015;210:1192-1196
63. Are C, Stoddard H, Carpenter L, O'Holleran B, Thompson JS. Trends in match rate and composition of candidates matching into categorical general surgery residency positions in the United States. *Am J Surg- Accepted-March 2016*
64. Are C, Canigla A, Malik M, Cummings C, Lecoq C, Berman R, Audisio R, Wyld L. Variations in training of surgical oncologists: Proposal for global curriculum. *European Journal of Surgical Oncology*, 2016;42: 767-78
65. Are C, Berman R, Wyld L, Cumming C, Lecoq C, Audisio R. Global curriculum in surgical oncology. *European Journal of Surgical Oncology*, 2016; 42: 754-766
66. Are C, Canigla A, Malik M, Cummings C, Lecoq C, Berman R, Audisio R, Wyld L. Variations in training of surgical oncologists: Proposal for global curriculum. *Annals of Surgical Oncology*, 2016;23:1769-1781
67. Are C, Berman R, Wyld L, Cumming C, Lecoq C, Audisio R. Global curriculum in surgical oncology. *Annals of Surgical Oncology*, 2016; 23: 1782-1795

68. Sobral FA, Bowder AN, Smith LM, Ravipati A, Suh MK, **Are C**. Current status of international experiences in general surgery residency programs in the United States. SpringerPlus- May 2016;5 : 586
69. **Are C**, Chowdhury S, Ahmad H, Ravipati A, Song T, Shrikandhe S, Smith L. Predictive global trends in the incidence and mortality of pancreatic cancer based on geographic location, socio-economic status and demographic shift. J Surg Oncology 2016 Nov;114:736-742
70. Kodadek LM, Kapadia MR, Changoor NR, Dunn KB, **Are C**, Greenberg JA, Minter RM, Pawlik TM, Haider AH. Educating the surgeon scientist: A qualitative study evaluating challenges and barriers toward becoming an academically successful surgeon. Surgery 2016;160:1456-1465
71. Douaiher J, Hussain T, Dhir M, Smith L, **Are C**. Pre-operative risk factors for 30-day reoperation in patients undergoing hepatic resection for malignancy. Indian J of Surg Onc- Accepted- Aug 2016.
72. Kaur S, Smith LM, Patel A, Menning M, Waatley DC, Malik SS, Krishn SR, Mallyay K, Aithal A, Sasson AR, Johansson SL, Jain M, Singh S, Guha S, **Are C**, Raimondo M, Hollingsworth MA, Brand RE, Batra SK. A combination of MUC5AC and CA19-9 improves the diagnosis of pancreatic cancer- A multi-institutional study. Am J of Gastroenterol 2017;112: 172-183
73. Nayar P, Chandak A, Gupta N, Yu F, Qiu F, Ganti AK, **Are C**. Postoperative mortality following multimodality therapy for pancreatic cancer: Analysis of the SEER-Medicare Data. J of Surg Onc- Feb 2017-epub
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Society of Surgical Oncology journey towards implementation of cytoreductive surgery/hyperthermic intraperitoneal chemotherapy in Brazil. Ann Surg Oncol, 2021, Jan 18. Epub ahead of print.

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**f. MEDIA:**

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2. January 19<sup>th</sup>, 2015. Cadaver lab to teach surgical skills
3. March 25<sup>th</sup>, 2016. ASCO Post Interview: The time is now for the worldwide cancer community to be proactive.
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6. WOWT- July 15<sup>th</sup>, 2020, UNMC residents adjust to changes during pandemic-  
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7. ASCO Post: Indian Surgical Oncologist offers insights into delivering equitable cancer care in a resource-challenged country. Interview with Dr. TS. Rao. January 25<sup>th</sup>, 2021



**LEADERSHIP/HOSPITAL ADMINISTRATION**  
**INITIATIVES**

**A. Hospital Administration Initiatives:**

**1. Outreach Surgical Oncology Clinic in Great Plains Health, North Platte:** (started in 2019): Was instrumental in starting an Outreach Surgical Oncology Clinic at the Great Plain Health (Callahan Cancer Center) by working with the local physicians, surgeons, oncologist and administration.

**2. Graduate Medical Education Finance planning:** Serve on the Graduate Medical Education Workforce and Finance Committee. Instrumental in developing a novel structured financial model for all 50 residency programs with nearly 475 residents consisting of a budget of approximately \$ 53 million.

**3. Accountable Care Organization (ACO)- Nebraska Health Network (NHN):**  
Serve on the Medical Management Executive Committee (MMEC) of NHN. The NHN is considered one of the early Accountable Care Organizations (ACO's) that was formed in 2010 in response to the changes emanating from the Patient Protection and Affordable Care Act. The NHN consists of two organization's Nebraska Medicine and Methodist Health system located in Omaha, Nebraska and serve more than 17, 000 employees and 2/3rds of the state's population of 1.8 million.

The MMEC helps NHN leadership realize the goals of delivering high-value care based on evidence and adapt to the evolving health care landscape.

**4. Nebraska Health Network (NHN): Co-Chair GI Working Group**  
Involved in developing guidelines to provide evidence based and high value/quality care in various clinical pathways in Gastroenterology for the ACO

**5. Nebraska Health Network (NHN): Co-Chair ED Working Group**  
Involved in developing guidelines to provide evidence based and high value/quality care in various clinical pathways in Emergency Medicine for the ACO

**6. Nebraska Health Network (NHN): Education Committee**  
Involved in developing educational modules for all physicians within the Accountable Care Organization

**7. Nebraska Health Network (NHN): Research Guidance Group**  
Involved in initiating and developing research projects to assess the effectiveness of practices developed by the Accountable Care Organization.

**8. Nebraska Medicine Consulting position:**  
Consultant for 1).Supply Chain Performance Improvement Project, 2). Strategic Assessment of Global Health Strategies for Clinical Programs with International Patient Opportunities and 3). Development of Strategic Planning Process for the Clinical Enterprise.

**9. Financial formula for distribution of Core faculty support- Department of Surgery**  
Developed an unique formula for fair distribution of funds allocated for core faculty activities in the Next Accreditation System (NAS) of Accreditation Council on Graduate Medical Education (ACGME)

**10. Night float:**  
-CONCEIVED and DEVELOPED (In anticipation of the new duty hour rules, 2011) the night float system for the first time in the Department of Surgery.  
-LED meetings with the Chairman/Leadership of the Department of Surgery, residents and Nursing Leadership and Directors.  
-The night float system was started as a pilot in May 2011 and put in place to start in July 2011. The night float has been very successful with positive feedback from all the Nursing Directors and staff.

**11. PM rounds:**

- INITIATED and DEVELOPED a novel PM rounds system with the Nursing Directors.
  - COORDINATED activities between the night float resident and the Nursing Leads from all wards at a fixed time every night.
  - The night float resident and Nursing Leads from all wards go over all the patients in a proactive fashion between 7-9 pm even if there are no active issues.
  - This has improved the collaborative communication between the residents and nurses to promote better and safer patient care and also reduce the number of pages.
  - This activity has been received very well by the Nursing Directors and staff and we are now assessing on how to export this to other services.
- Myself and the Nursing Director join the resident on PM rounds to assess and also to provide support from the Leadership for this successful activity.

**12. Hospital Patient Experience Committee:** Participated in a committee with MD Director of Patient Satisfaction and Chief Experience Office to improve patient satisfaction and HCAHPS scores.

**B. Global/International Health Initiatives:****1. MOU between University of Nebraska Medical Center and India:**

- LED and SIGNED a unique Memorandum of Understanding (MOU) between the University of Nebraska Medical Center (UNMC) and the Directorate of Medical Education (DME) in Andhra Pradesh, India in 2009.
- The DME in Andhra Pradesh oversees the education of medical students in over 34 medical schools that serve the state of nearly 90 million people.
- This unique and one of its kind MOU between any University in the US and any state in Andhra Pradesh opens the channels for many collaborative activities in clinical, research, and educational avenues.
- Since January 2010, almost 8500 candidates from various medical schools in Andhra Pradesh have visited UNMC and plans are on board to pursue clinical collaborations.

**2. International Surgery Fellowship:**

-INITIATED and DEVELOPED a novel International Surgery Fellowship for the General Surgery residency program at UNMC.

**3. Liason between the Society of Surgical Oncology in the USA and the Indian Association of Surgical Oncology in India:**

-INITIATED and PROMOTED collaborative activities between the two largest organizations of Surgical Oncologists in their respective countries.

-LED the collaborative activities between the two organizations and their leadership.

-LIAISED the collaborative activities during the respective annual meetings:

2009: Kolkata, India

2010- Mumbai, India and Phoenix, Arizona, USA

2011: Lucknow, India and San Antonio, Texas, USA

2012: Goa, India and Orlando, Florida, USA

2013: Delhi, India

2014: Chennai, India and Phoenix, Arizona, USA

2015: Bhubaneshwar, India and Boston, Massachusetts, USA

Activities included collaborating the visits of leadership from USA to India and vice versa.

**4. Assessment of educational gaps and needs for Oncology professionals in India:**

-INITIATED and LED research and obtained grants up to \$250,000 for assessing educational gaps and needs for Oncology professionals in India.

-This included surveys done for the first time at the annual meetings of the Indian Association of Surgical Oncology in India.

-These findings will be useful in improving Oncology education in a country like India that represents the developing world with a rising cancer burden.

[A survey of the educational environment f... \[World J Surg Oncol. 2012\] - PubMed - NCBI](#)

### **C. Leadership Courses:**

1. Leadership Course- 2 credit hours during Executive MBA from University of Nebraska, Omaha- 2012
2. Leadership Elective- 2 credit hours during Executive MBA from University of Nebraska, Omaha- 2013. Course focusing on the issues of strategic leadership, designed to provoke ideas about my own leadership style and effective strategic leadership. The ultimate goal is to develop an effective strategic leadership style
3. Physician Leadership Series Level I : completed in 2008 (4 sessions)
4. Physician Leadership Series Level II: completed in 2009 (6 sessions)
5. Physician Leadership Series Level III and 360 report: completed in 2011 (4 sessions)
6. Physician Leadership Academy
7. Leadership Electives in Executive MBA

### **D. Educational Initiatives: (see separate Teaching Portfolio for complete initiatives)**

#### **1. MD/MBA joint curriculum:**

-LED and STARTED the joint MD/MBA curriculum for the first time for medical students at the University of Nebraska Medical Center.

-This joint curriculum is undertaken at the University of Nebraska Medical Center and the University of Nebraska in Omaha.

-Met with the Dean of University of Nebraska Medical Center and the Dean of the University of Nebraska. Following this, the proposal was presented at the Curriculum Committee meeting of the University of Nebraska, College of Medicine and approved in 2009/2010.

#### **2. Rural rotation for General Surgery residents:**

-INITIATED and DEVELOPED a rural surgery rotation for the first time for the General Surgery residency program in UNMC. This rotation will be undertaken at North Platte, NE and will start in July 2012.

**3. Simulation:**

- INITIATED and DIRECTED skills training curriculum for General Surgery residents.
- BECAME the Surgical Director for Simulation, and have increased the number of simulation-based skills training sessions for the General Surgery residents.
- INITIATED and working on obtaining accreditation of Simulation Center from the American College of Surgeons.

**4. Multi-national research:**

- INITIATED, DIRECTED and LED a multi-national research project to analyze the perceptions of final year medical students towards the field of General Surgery.
- The study involved 9 medical schools in 8 countries: USA, England, India, Kenya, Italy, Croatia, Hong Kong and China.
- The findings of this study can have implications for the future General Surgery workforce and has been published in the Annals of Surgery.