

## CURRICULUM VITAE

**Name:** Kamran Idrees, MD, FACS

**Date of Birth:** January 22, 1977

**Place of Birth:** Peshawar, Pakistan

**Nationality:** US Citizen

**Work Address:** 2220 Pierce Avenue  
597 Preston Research Building  
Nashville, TN 37232-6860

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**Licensed Physician:** Tennessee (49078, expiration date: 01/31/2015)  
Pennsylvania (MD436774, expiration date: 12/31/2012)  
Missouri (2011008004, expiration date: 01/31/2013)

**Board Certification:** American Board of Surgery Certificate #:54346  
(Certification date: May 4, 2009)

**ACLS Certification:** Advanced Cardiac Life Support certified  
(Expiration date: 02/03/2013)

### **Education:**

Cadet College, Kohat, Pakistan

1994 HSC (Higher Secondary School Certificate)

The Aga Khan University Medical College, Karachi, Pakistan

1999 M.B., B.S. (Bachelor of Medicine, Bachelor of Surgery)

Institute for Clinical Research Education (ICRE), University of Pittsburgh

2010 M.S. (Master of Science in Clinical Research - Clinical Trials track)

**Currently taking classes**

**Postdoctoral Training:****Externship**

- Nov, 1999- Nov, 2000 Hand and Microvascular Surgery  
The Aga Khan University Hospital  
Karachi, Pakistan
- Nov, 2000- June, 2001 Visited USA from Pakistan for Clinical Skill Assessment  
(CSA) Examination and General Surgery Residency  
Interviews

**Internship**

- July, 2001- June, 2002 General Surgery  
William Beaumont Hospital  
Royal Oak, MI

**Residency**

- July, 2002- June, 2004 **PGY2-3**, General Surgery  
William Beaumont Hospital  
Royal Oak, MI

**Research Fellowships:**

- 2004-2006 Colorectal Cancer Research Fellowship  
Memorial Sloan-Kettering Cancer Center  
New York, NY  
Dr. Philip Paty's Lab  
Research experience: The lab was part of National Cancer  
Institute- Program Project Grant (NCI-PPG) for colorectal  
adenocarcinoma – providing me with the expertise in  
creating tissue repository, mutational analysis of various  
genes (Kras, Braf, MSI), global gene platforms (epigenetic  
and gene expression).

**Residency**

- Sept, 2006- July, 2008 **PGY4-5**, General Surgery  
University of Alabama at Birmingham  
Birmingham, AL

**Clinical Fellowships:**

- July, 2009 - June, 2011 Surgical Oncology Fellow  
**Administrative Fellow (July, 2010 –June, 2011)**  
Department of Surgery  
University of Pittsburgh Medical Center  
Pittsburgh, PA

July, 2011 – June, 2012      HPB Surgery Fellow  
 Section of Hepatobiliary-Pancreatic & GI Surgery  
 Department of Surgery  
 Washington University in St. Louis  
 St. Louis, MO

**Positions Held:**

August, 2008-June, 2009      Clinical Instructor/Junior Faculty  
 Section of Gastrointestinal Surgery  
 Birmingham VA Medical Center  
 University of Alabama at Birmingham  
 Birmingham, Alabama.

July, 2009 - June, 2011      Clinical Instructor  
 Section of Surgical Oncology  
 Department of Surgery  
 University of Pittsburgh Medical Center  
 Pittsburgh, PA

July, 2011 – June, 2012      Clinical Instructor  
 Section of Hepatobiliary-Pancreatic & GI Surgery  
 Department of Surgery  
 Washington University in St. Louis  
 St. Louis, MO

August, 2012 – present      Assistant Professor of Surgery  
 Division of Surgical Oncology and Endocrine Surgery  
 Department of Surgery  
 Vanderbilt University Medical Center  
 Nashville, TN

**Scientific and Medical Societies:**

1996-1999      Member - FALAH (welfare organization for needy patients)  
 The Aga Khan University Medical College  
 2002              American College of Surgeons  
 2002              Detroit Surgical Association  
 2005              Society of American Gastrointestinal & Endoscopic Surgeons (SAGES)  
 2008              Southeastern Surgical Congress (SESC)  
 2006              American Society of Clinical Oncology  
 2011              American Hepato-Pancreatico-Biliary Association (AHPBA)  
 2012              International Hepato-Pancreatico-Biliary Association (IHPBA)

**Honors and Awards:**

- 1998 Honors, Oral Examination in Otorhinolaryngology, The Aga Khan University Medical College
- 1994 Senior Section Commander, Cadet College
- January, 2009 Awarded funding by the NIH National Center for Research resources as part of its Clinical and Translational Science Award Program (1UL1RR0257) to participate in **Clinical and Translational Science Training Program, University of Alabama at Birmingham Center for Clinical and Translational Science (UAB -CCTS)**

**Committees:**

- 1997-1998 Head Students' Fund-Raising Committee for the Aga Khan University Sports and Rehabilitation Center
- 2011-2012 Member of Innovations in Surgical Education Workgroup, Department of Surgery, Washington University School of Medicine
- 2011-2012 Member of Surgical Quality and Effectiveness Group (SQEG), Department of Surgery, Washington University School of Medicine
- 2012-2014 Membership Committee member, American Hepato-Pancreatico-Biliary Association (AHPBA)

**Publications:****Peer-reviewed**

1. Jawaid A, Asad A, Motiei A, Choudry H, **Idrees K**, et al. Clinical scoring system: a valuable tool in decision making in cases of acute appendicitis. *JPMA* 1999;49(10):254-59.
2. **Idrees K**, Minsky B, Alektiar K, Guillem J, Weiser M, et al. Surgical resection and high dose intraoperative radiation therapy for locally recurrent rectal cancer. *Acta Chir Iugosl* 2004;51(3):11-18.
3. **Idrees K**, Paty PB. Early rectal cancer: transanal excision or radical surgery? *Adv Surg.* 2006;40:239-48
4. Yeh JJ, Gonen M, Tomlinson J, **Idrees K**, Brennan MF, Fong Y. Impact of blood transfusion on patients undergoing pancreaticoduodenectomy for exocrine tumors of the pancreas. *Br J Surg.* 2007 Apr;94(4):466-72.
5. Khan SA\*, **Idrees K\***, Forslund A, Zeng Z, Rosenberg S, Pincas H, Barany F, Offit K, LaQuaglia MP, Paty PB. Genetic variants in germline TP53 and MDM2 SNP309 are not associated with early onset colorectal cancer. *J Surg Oncol.* 2008 Jun 1;97(7):621-5. \* **First Co-authors**
6. Cheng YW, Pincas H, Bacolod M, Schemmann G, Giardina SF, Huang J, Barral S, **Idrees K**, Khan SA, Zeng Z, Rosenberg S, Notterman DA, Ott J, Paty P and Barany F. CpG island methylator phenotype associates with low-degree chromosomal abnormalities in colorectal cancer. *Clin Cancer Res.* 2008 Oct 1;14(19):6005-13.

7. Cheng YW, **Idrees K**, Shattock R, Khan SA, Zeng Z, Brennan CW, Paty P, Barany F. Loss of imprinting and marked gene elevation are two forms of aberrant IGF2 expression in colorectal cancer. *Int J Cancer* 2010 Aug 1; 127(3):568-77.
8. Khan SA, Morris M, **Idrees K**, Gimbel M, Rosneberg S, Zeng Z, Shia J, LaQuaglia M, Paty PB. Colorectal cancer in the very young: A comparative study of tumor markers, pathology and survival in early onset and adult onset patients. *Annals of Surgical Oncology*. [Edited].
9. **Idrees K**, Bartlett DL. Robotic Liver Surgery. *Surg Clin North Am*. 2010 Aug; 90(4):761-74.
10. **Idrees K**, Liles JS, Kraemer MB, Warriner A, Vaughn TB, Arguello C, Ovalle F, Rosenthal R, Hameed O, Arnoletti JP, Heslin MJ. Tyrosine Kinase Signaling in Malignant Pheochromocytoma/Paraganglionomas - Utilizing Sorafenib as a Therapeutic Agent. [Manuscript in preparation]
11. **Idrees K**, Hawkins WG. Unresectable Colorectal Cancer Synchronous Metastases: How to Manage the Primary Tumor? Emerging Therapeutic Trends for Colorectal Cancer Hepatic Metastases. *Current Colorectal Cancer Reports*. [Manuscript Accepted]

#### **Book chapters**

1. **Idrees K**, Shanley C. Management of concomitant renal artery stenosis with aortic surgery. In: *Clinical Scenarios in Vascular Surgery*, 1<sup>st</sup> edition (2005).
2. D'Angelica M, **Idrees K**, Paty P, Blumgart L. Colorectal cancer—metastatic (palliation). In: *American Society of Colorectal Surgery Textbook of Colon and Rectal Surgery*, 1<sup>st</sup> edition (2007).
3. D'Angelica M, **Idrees K**, Paty P, Blumgart L. Colorectal cancer—metastatic (palliation). In: *The ASCRS Manual of Colon and Rectal Surgery*, 1<sup>st</sup> edition (2009).
4. **Idrees K**, Ahrendt SA. Cystic disorders of the Bile Ducts. In: *Current Surgical Therapy*, 10<sup>th</sup> edition (2010).
5. **Idrees K**, Bartlett D, Fisher B. Surgical Oncology – Definition, History, Scope and Philosophy. In: *Surgical Oncology: Fundamental Principles, Evidence Based Approaches and Emergent Technologies*, 1<sup>st</sup> edition (2010).
6. **Idrees K**, Christein JC. Stomach and Duodenum. In: *Rush University Medical Center Review of Surgery*, 5<sup>th</sup> edition (2011).

**Abstracts:**

1. Bacolod M, Zeng Z, Shattock R, Brennan C, Schemmann G, Giardina SF, Pincas H, Cheng YW, Tsafirir D, Selvanayagam Z, Shia J, **Idrees K**, Liu H, Stengel RF, Jhanwar S, Domany E, Gerald WL, Notterman DA, Paty PB, Barany F. Detection of colon cancer chromosomal aberrations using the Affymetrix 50K Human Mapping and Agilent CGH arrays. AACR Colorectal Cancer: Molecular Pathways and Therapies, October 2005 [Poster]
2. **Idrees K**, Qin LX, Cheng YW, Zeng Z, Selvanze Z, Notterman DA, Barany F, Paty PB. Dysregulated expression of Insulin-like Growth Factor 2 in Colorectal Cancer. New York Society of Colon and Rectal Surgeons, Residents' Night, March 2006 [Poster].
3. **Idrees K**, Qin LX, Cheng YW, Zeng Z, Selvanze Z, Notterman DA, Barany F, Paty PB. Overexpression of Insulin-like Growth Factor 2 in Colorectal Cancer. Surgical Forum, Clinical Congress, American College of Surgeons, October 2006 [Poster].
4. **Idrees K**, Park SH, Shia J, Cheng YW, Shattock R, Khan S, Zeng Z, Notterman D, Barany F, Paty PB. Insulin-like growth factor expression in colorectal cancer. Society of Surgical Oncology, 60<sup>th</sup> Annual Meeting, March, 2007. [Poster].
5. LaQuaglia MP, Morris M, Shia J, **Idrees K**, Rosenberg S, Ishill N, Shamberger RC, Doski JJ, Heller G, Paty PB. A retrospective analysis of colorectal cancer in adolescents and young adults: A report from the Surgical Committee of the Children's Oncology Group. Journal of Clinical Oncology, 2007 ASCO Annual Meeting Proceedings Part I. Vol 25, No. 18S (June 20 Supplement), 2007: Abstract #: 9568
6. Khan SA, Morris M, **Idrees K**, Gimbel M, Rosenberg S, Zeng Z, Shia J, LaQuaglia M, Paty PB. Colorectal cancer in the very young: A comparative study of tumor markers, pathology and survival in early onset and adult onset patients. Society of Surgical Oncology, 62<sup>nd</sup> Annual Meeting, March, 2009. [Presentation]
7. Kraemer MB, **Idrees K**, Wang D, Liles JS, Heslin MJ, Chernock RD, Lewis JS, Grizzle WE, Hameed O. Growth Factor Receptor Expression and Microvascular Density in Adrenal and Extra-Adrenal Pheochromocytomas/Paragangliomas (PG). [Presented at United States and Canadian Academy of Pathology Meeting- March, 2010]
8. **Idrees K**, Liles JS, Kraemer MB, Warriner A, Vaughn TB, Arguello C, Ovalle F, Rosenthal R, Hameed O, Arnoletti JP, Heslin MJ. Tyrosine Kinase Signaling in Malignant Pheochromocytoma/Paraganglionomas - Utilizing Sorafenib as a Therapeutic Agent. [Poster presentation at Society of Surgical Oncology Meeting - March, 2010]

9. Khan SA, Morris M, **Idrees K\***, Gimbel M, Rosenberg S, Zeng Z, Shia J, LaQuaglia MP, Paty P. The biology of early onset colorectal cancer: An examination of tumor markers, pathology and survival in a large cohort of patients. ASCO Annual Meeting 2011. Abstract #79682 \***Presenter**
10. **Idrees K**, Edler JR, Linehan DC, Strasberg SM, Hamilton NA, Fields R, Lambert D, Kymes S, Hawkins WG. Efficacy and cost-benefit analysis of mesh reinforcement of stapled left pancreatectomy: results of a randomized controlled trial. [**Presented for a President's Plenary /Young Investigator Session AHPBA Annual Meeting 2012**]
11. **Idrees K**, Luciano J, Pingpank J, Ahrendt S, Ramalingam L, Zeh HJ, Bartlett DL, Choudry HA. Blood Neutrophil to lymphocyte Ratio Predicts Survival in Patients with Appendiceal Cancer. [**Presented for presentation at Seventh International Symposium on Regional Cancer Therapies 2012**]
12. **Idrees K**, Choong K, Yan Y, Fields R, Hawkins WG, Strasberg SM, Linehan DC. Hypoalbuminemia is a risk marker of venous thromboembolism in patients undergoing pancreaticoduodenectomy. [**Presented for best oral presentation session at 10th World Congress of the International Hepato-Pancreato- Biliary Association, Paris, France 2012**]
13. **Idrees K**, Mangano MD, Yan Y, Strasberg SM, Hawkins WG, Fields R, Menias C, Linehan DC. Sarcopenia, a quantifiable measure of frailty, predicts short-term outcomes in patients undergoing pancreaticoduodenectomy. [**Presented for free oral presentation session at 10th World Congress of the International Hepato-Pancreato-Biliary Association, Paris, France 2012**]
14. **Idrees K**, Edler JR, Lambert D, Linehan DC, Fields R, Strasberg SM, Kymes S, Hawkins WG. Efficacy and cost-benefit analysis of mesh reinforcement of stapled left pancreatectomy: results of a randomized controlled trial. [**Presented at oral plenary presentation session at 10th World Congress of the International Hepato-Pancreato-Biliary Association, Paris, France 2012**]
15. **Idrees K**, Luciano J, Austin F, Sathaiah M, Ramalingam L, Jones HL, Pingpank JF, Ahrendt SA, Zureikat AH, Holtzman MP, Zeh HJ, Bartlett DL, Choudry HA. Influence of Blood Neutrophil to Lymphocyte Ratio on Oncologic Outcomes in Peritoneal Carcinomatosis of Appendiceal Origin. [Submitted to American Society of Clinical Oncology Annual Meeting 2012]

**Research in progress:**

1. *Frailty in patients undergoing pancreaticoduodenectomy.*  
The aim of this study is to create a frailty index and evaluate its effects on elderly patients undergoing pancreaticoduodenectomy in regards to postoperative morbidity and mortality as well as oncological outcomes.
2. *Genomic and proteomic analysis of patients with pancreatic adenocarcinoma.*  
The aim of this study is to conduct and correlate global genomic and proteomic analysis of pancreatic cancer patients specifically comparing early recurrers versus long-term survivors.
3. *Cost-effectiveness analysis of locoregional therapy for Hepatocellular Carcinoma: Transarterial Chemoembolization vs. Yttrium 90 Microspheres.*  
The aim of this study is to evaluate both clinical as well as cost effectiveness of regional therapies in patients with hepatocellular carcinoma.
4. *Effects of Blood Transfusion on Various Cancers.*  
The aim is to determine the effects of blood transfusion especially age of stored blood at the time of transfusion on post-operative and oncological outcomes in various cancers such as hepatocellular carcinoma, pancreatic adenocarcinoma and appendiceal cancers.

**Lectures/Presentations:**

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|-------------------|---|
| January 3, 2005   | Surgical Grand Rounds, Memorial Sloan-Kettering Cancer Center:<br>Genetic and Molecular Characterization of Pediatric Colorectal Cancer                                   |
| October 10, 2006  | American College of Surgeons, 92 <sup>nd</sup> Annual Clinical Congress:<br>Overexpression of Insulin-like Growth Factor 2 in Colorectal Cancer                           |
| April 4, 2008     | Alabama Laparoscopy Association:<br>Bilateral Laparoscopic Adrenalectomy for Cushing's Syndrome   |
| April 12, 2011    | Society of Surgical Oncology National Videoconference<br>Neoadjuvant therapy in patient with Gastric cancer   |
| February 28, 2012 | Surgical Grand Rounds, Fox Chase Cancer Center:<br>Treatment Options to Extend Surgery to Patients with Marginally Resectable or Unresectable Colorectal Liver Metastases |

**Languages:** English, Urdu, Pashto

**Hobbies:** Soccer, swimming, tent-pegging, traveling

**Military Service:** None