

**Memorial Sloan Kettering Cancer Center and
Weill Cornell Medical College
Required Format for *Curriculum vitae* and Bibliography**

Date of preparation: 3/1/16

A. GENERAL INFORMATION

1. Name **Anoushka M. Afonso, MD**
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6. Email: afonsoa@mskcc.org
7. Citizenship: USA
8. Optional Information:
Languages English, Spanish

B. EDUCATIONAL BACKGROUND

1. Degree(s)

<i>Degree</i>	<i>Institution name and location</i>	<i>Dates attended</i>	<i>Year Awarded</i>
BS, Biology	Georgetown University College of Arts & Sciences Washington, DC	8/1996-5/2000	2000
MD	Georgetown School of Medicine Washington, DC	7/2001-5/2005	2005

C. PROFESSIONAL POSITIONS AND EMPLOYMENT

1. Post-doctoral training

<i>Title</i>	<i>Institution name and location</i>	<i>Dates</i>
Resident, Internal Medicine	Mount Sinai Hospital, New York, NY	7/05-6/08
Research Fellow, Anesthesia	Mount Sinai Hospital, New York, NY	7/08-6/09
Resident, Anesthesia;	Mount Sinai Hospital, New York, NY	7/09-6/12

Bernard H. Eliasberg Research
Scholar

2. Academic positions

<i>Title</i>	<i>Institution name and location</i>	<i>Dates</i>
Assistant Member, Level I	Memorial Sloan Kettering Cancer Center New York, NY	3/14-

3. Hospital positions

<i>Title</i>	<i>Institution name and location</i>	<i>Dates</i>
Instructor, Anesthesiology	Memorial Hospital for Cancer & Allied Diseases New York, NY	9/12-3/2014
Assistant Attending Anesthesiologist	Memorial Hospital for Cancer & Allied Diseases New York, NY	3/14-

4. Other Employment

<i>Title</i>	<i>Institution name and location</i>	<i>Dates</i>
NIH Howard Hughes Research Fellow	National Institutes of Health- National Cancer Institute, Bethesda, MD	9/00-6/01
Patrick Healy Fellow <i>Mentoring Minority & Female undergraduates</i>	Georgetown University Washington, DC	8/03-8/04
Volunteer, Physicians for Human Rights	Georgetown University Law School & Medical School, Washington, DC	8/03-8/04

CV Gaps:

5/00: College graduation; 6-8/00: Merrill Lynch Private Client Financial Advisor, Tyson's Corner, VA;
9/00: relocation/vacation; 5/05-6/05: Moving to NYC; 6-7/12: Study for the ABA Board Exams, Moving

D. LICENSURE, BOARD CERTIFICATION, MALPRACTICE

1. Licensure

<i>a.</i>	<i>State</i>	<i>Number</i>	<i>Date of issue</i>	<i>Date of expiration</i>
	NY	245965	8/15/2008	1/31/2016

- b. If no license: N/A
- c. DEA number: N/A
- d. NPI number: 1528227196

2. Board Certification

Full Name of Board	Certificate #	Date
American Board of Internal Medicine	7599579	9/2007
American Board of Anesthesiology	49890	8/2012

3. Malpractice insurance

Do you have Malpractice insurance? Yes
 Name of Provider: MSK Insurance US Inc.
 Premiums paid by: Institution (Memorial Sloan Kettering Cancer Center)

E. PROFESSIONAL MEMBERSHIPS

<i>Member/office</i>	<i>Name of Organization</i>	<i>Dates</i>
Member	American Medical Association	2001-
Member	American Society of Anesthesiologists	2008-
Member	New York State Society of Anesthesiologists (NYSSA)	2008-
Member	New York Academy of Medicine	2008-
Member	Society of Cardiovascular Anesthesiologists (SCA)	2014-
Member	American Society for Enhanced Recovery (ASER)	2014-

F. HONORS AND AWARDS

<i>Name of award</i>	<i>Date awarded</i>
Howard Hughes Undergraduate Research Fellow, National Institutes of Health (NIH), Bethesda, MD	1996-2000
Georgetown University Department of Biology George B. Chapman Medal for Most Outstanding Senior Thesis "Loss of Heterozygosity on Chromosome 13 is Associated with Advanced Stage Prostate Cancer"	2000
American Cancer Society Institutional Grant Award (sole recipient) Genetic Analysis of Renal Cell Carcinomas in Birt-Hogg-Dube	2002
New York Academy of Medicine David E. Rogers Fellowship Grant Appointed Fellow: New York Academy of Medicine	2002 2008-

Awarded competitive admission to American Association of Medical Colleges 3/2014
(AAMC) Executive Development Seminar for Interim and Aspiring Leaders

Patient's Choice Award: Quality & Performance Improvement Fair, MSK:
"Sustained Reduction of Surgical Site Infection in CRC at MSK."

G. INSTITUTIONAL/HOSPITAL AFFILIATION

Primary Hospital Affiliation: **Memorial Hospital for Cancer and Allied Diseases**
Other Hospital Affiliations: None
Other Institutional Affiliations: None

H. EMPLOYMENT STATUS

Name of Employer(s): Memorial Sloan Kettering Cancer Center
Employment Status: Full-time salaried

I. CURRENT AND PAST INSTITUTIONAL RESPONSIBILITIES AND EFFORT

1. Teaching/Mentoring

<i>Activity</i>	<i>Dates</i>
Supervision of Anesthesia residents (Cornell and other institutions) in the OR as well as in administration of anesthesia outside the OR	9/12-

2. Clinical Care

<i>Activity</i>	<i>Dates</i>
Pre-operative assessment of patients, intra-operative anesthesia delivery and postoperative care. Emergency intubations in the hospital, as well as Pre-surgical patient medical assessment and clearance.	9/12-

3. Administrative duties

<i>Activity</i>	<i>Dates</i>
Co-Chair of Intra-operative Surgical Site Infection Committee (SSI): sole	5/13-

Anesthesia representative for multidisciplinary SSI, a committee designed to reduce SSI. Weekly/biweekly 1-2 hour meetings on both pre-operative and intra-operative SSI teams. Presentation at April 2015 Quality & Performance Improvement Fair, MSK: “Sustained Reduction of Surgical Site Infection in CRC at MSK.”

Colorectal Enhanced Recovery After Surgery (ERAS) multi-disciplinary group: 8/13
 sole Anesthesia representative to guide evidence-based medicine to enhance patient recovery and reduce length of stay in hospital.

ERAS/Length of Stay (LOS) Committee 2/15-
 Josie Robertson Center- working multidisciplinary committees for ERAS 8/15-
 pathways; clinical coordinator for all ERAS Josie teams

Director, Enhanced Recovery after Surgery (ERAS) 4/16-

PROSE (Patient Reported Outcome & Surgical Experience) Working Group 6/16-
 Member

4. Research

My goal at MSKCC is to conduct independent research that will serve as a basis to improve perioperative outcomes of our patients with cancer undergoing surgery. Much needed research into enhanced recovery after surgery (ERAS) pathways is crucial to challenging the traditional mindset. Formation of multidisciplinary teams to implement multimodal pain strategies, reducing narcotic use and adverse side effects, are crucial to patient recovery. It is important to investigate specific outcomes such as length of stay, surgical complications and the cancer patient experience as we embark on these ERAS pathways.

Role: PI (including exempt research- retrospective and prospective)

IRB # Number	Title	PI	Department
Primary Investigator WA0486-15	Outcomes of Percutaneous Drainage of Pericardial Tamponade and Pericardial Effusions on Patients with Cancer at Memorial Sloan Kettering Cancer Center Over 10 Years	Afonso, Anoushka, MD	Anesthesiology/Critical Care
Primary Investigator WA0439-15(1)	Recovery After Esophagectomy	Afonso, Anoushka, MD	Anesthesiology/Critical Care
Primary Investigator WA0519-14(1)	Retrospective Data Analysis of Patients Undergoing Breast Reconstructive Surgery that Received Exparel Intraoperatively	Afonso, Anoushka, MD	Anesthesiology/Critical Care
Primary Investigator WA0559-14(1)	Retrospective Data Analysis of 13q Deletion Retinoblastoma Pediatric Patients	Afonso, Anoushka, MD	Anesthesiology/Critical Care
Primary Investigator WA0629-13(1)	Retrospective Data Analysis of Patients Undergoing Breast Reconstructive Surgery at Memorial Sloan-Kettering Cancer Hospital	Afonso, Anoushka, MD	Anesthesiology/Critical Care
Primary Investigator X15-031	Survey to Describe Anxiety and Discomfort Among Patients Undergoing Breast Cancer Surgery	Afonso, Anoushka, MD	Anesthesiology/Critical Care

Co-Investigator: IRB # TBD (still in review)	The BALANCED Anaesthesia Study Prospective, Randomised Clinical Trial of Two Levels of Anaesthetic Depth on Patient Outcome After Major Surgery	Veselis, Robert, MD Afonso, Anoushka, MD	Anesthesiology/Critical Care
Investigator 13-240	The Prevention of Delirium and Complications associated with Surgical Treatments (PODCAST) Clinical Trial	Veselis, Robert, MD Afonso, Anoushka, MD	Anesthesiology/Critical Care

	<u>Current Percent Effort (%)</u>	<u>Does the activity involve WMC students or researchers? (Y/N)</u>	<u>Does the activity involve MSK trainees or researchers? (Y/N)</u>
Teaching/Mentoring	5%	Y	Y
Clinical Care	45%	Y	Y
Administration	20%	N	Y
Research	30%	Y	Y
TOTAL	100%		

J. RESEARCH SUPPORT

- Solo Recipient of Pacira Unrestricted External Grant towards ERAS projects
- Led Plastics Breast Reconstructive Flap ERAS Initiative
- Preliminary Data (p<.05):
 - ❖ Decrease Length of Stay by 1 day
 - ❖ Decrease opioid consumption in morphine equivalents
 - ❖ Decrease Intravenous Fluid Administration intraoperatively
 - ❖ Decrease Length of Surgery
- Involved companies in GDT- goal –directed fluid management in the Operating room, as it is an important element in the ERAS pathways (Masimo, Edwards)
- Coordinated various clinical team ERAS pathways for Josie Robertson Surgery Center (JRSC)
 - ❖ Gynecology
 - ❖ Breast
 - ❖ Urology
 - ❖ Head & Neck

- Organized two medications to be put forth through P&T Committee (Liposomal bupivacaine and alvimopan) as they are involved in ERAS pathways.

K. EXTRAMURAL PROFESSIONAL RESPONSIBILITIES

Invited lectures

Outcome of Tricuspid Valve Surgery, New York Academy of Medicine, New York, NY, 2009

Isolated Arytenoid Dislocation, Grand Rounds, Mount Sinai Department of Anesthesiology, New York, NY, 2011

A Case of Hoarseness. Visiting Lecturer, Louisiana State University (LSU) Department of Anesthesia, 2012

Help, my patient is on multiple chemotherapeutic drugs coming for a laparotomy, what do I need to know? PBLD, ASA. New Orleans, LA, October 2014

Anesthetic Management of a Cancer Patient on Chemotherapeutic Agents. PBLD, PGA. New York, NY, December 2014

Anesthesia and the Cancer Patient at Memorial Sloan Kettering Cancer Center. MSK Society Meeting Guest Lecturer. New York, NY, Feb 2015

Anesthetic Management of a Cancer Patient on Chemotherapeutic Agents. PBLD, PGA. New York, NY, December 2015

Enhanced Recovery after Surgery. Perioperative Management of the Cancer Patient Symposium. Memorial Sloan Kettering Cancer Hospital. New York, NY, April 2016.

Enhanced Recovery in the Breast Surgical Population. Visiting Lecturer- Grand Rounds, Maimonides Hospital, New York, May 2016

Enhanced Recovery at Memorial Sloan Kettering Cancer Center. Keynote Speaker, Administration Quarterly Meeting, New York, Nov 2016

- PGA talk- focus session
- ERAS meeting (session)
- Critical care grand rounds session

Outreach

Volunteer, Mother Theresa's Orphanage, Baghdad, Iraq; 1994 & 1995 (July-August)

Gift of Peace Hospice Mother Thesesa's Missionaries of Charity, Assistant Social Work Coordinator, 1996-98

L. BIBLIOGRAPHY

1. Peer-Reviewed Articles

1. **Afonso A**, Emmert-Buck MR, Duray PH, Bostwick DG, Linehan WM and Vocke CD. Loss of Heterozygosity on Chromosome 13 is Associated with Advanced Stage Prostate Cancer. *Journal of Urology*. 162:922-926, 1999
2. Maranchie J, **Afonso A**, Albert P, Kalyandrug S, Phillips J, et al. Solid Renal Tumor Severity in von Hippel Lindau Disease is Related to Germline Deletion Length and Location. *Human Mutation*. 23:40-46, 2004.
3. Fischer GW, Benni PB, Lin HM, Satapriya A, **Afonso A**, Di Luozzo G, Griep RB, Reich DL. Mathematical model for describing cerebral oxygen desaturation in patients undergoing deep hypothermic circulatory arrest. *Br J Anaesth*. 2010 Jan; 104(1):59-66. Doi: 10.1093/bja/aep335.
4. **Afonso A**, Scurlock C, Reich D, Raikhelkar J, Hossain S, Bodian C, Krol M, Flynn B. Predictive model for postoperative delirium in cardiac surgical patients. *Semin Cardiothorac Vasc Anesth*. 2010 Sep;14(3):212-7
5. **Afonso A**, Woo P, Reed A. Arytenoid dislocation following upper gastrointestinal endoscopy. *Endoscopy*. Unusual Cases and Technical Notes. 2011. <https://www.thiemeconnect.de/ejournals/html/endoscopy/doi/10.1055/s-0030-1256690>. Accessed November 9, 2011.
6. Raikhelkar J, Lin H, Neckman D, **Afonso A**, Scurlock C, Isolated tricuspid valve surgery: predictors of adverse outcome and survival. *Heart Lung Circ*, 2013 Mar;22(3):211-20. doi: 10.1016/j.hlc.2012.09.006. Epub 2012 Oct 25
7. **Afonso A**, Diaz J, Scher C, Beyl R, Nair S, Kaye A. Measuring determinants of career satisfaction of anesthesiologists: validation of a survey instrument. *J Clin Anesth*. 2013 May 8. doi:pii: S0952-8180(13)00132-3. 10.1016/j.jclinane.2013.01.007.
8. **Afonso A**. Beilin Y. Respiratory Arrest in patients undergoing arteriovenous graft placement with supraclavicular brachial plexus block: a case series. *J Clin Anesth*. 2013 June 25(4):321-3. Doi: 10.1016/j.jclinane.2012.11.009. Epub 2013 May 7.
9. **Afonso A**, Sabine O., Tan K., Joseph J. Disa J, Mehrara B., Jihan Ceyhan J, Dayan J. Is Enhanced Recovery the New Standard of Care in Microsurgical Breast Reconstruction? *Plast Reconstr Surg*. 2017 May;139(5):1053-1061.

2. Books, book chapters and reviews

1. **Afonso A**, E.Adler: Cardiac biomarkers for perioperative management. In Reich DL, Kahn R, Leibowitz A, Mittnacht A, Stone M, Eisenkraft J (eds): *Monitoring in Anesthesia and Perioperative Care*. New York: NY: Cambridge University Press; 2011:319-326.
2. **Afonso A**. Bronchopleural Fistula. In Lippincott Williams Wilkins, Philadelphia, PA. Master techniques in upper and lower airway management. In press 2015.

3&4. Abstracts & Presentations

1. **Afonso A**, Vocke CD, and Linehan WM. WS-3, a Candidate Gene for Prostate Cancer? National Institutes of Health Poster Day, Bethesda, Maryland, 1998.
2. **Afonso A**, Phillips J, and Linehan WM. Fluorescent In-Situ Hybridization (FISH) Analysis of a Mosaic von Hippel-Lindau (VHL) patient. National Institutes of Health Poster Day, Bethesda, Maryland, 1999.
3. Pavlovich CP, **Afonso A**, Schmidt LS, Warren MB. Genetic Analysis of Renal Cell Carcinomas in Birt-Hogg-Dube (BHD) Syndrome. American Association for Cancer Research (AACR) Meeting, San Francisco, California, 2002.
4. **Afonso A**, Dao L, Omphrey C. Case Report: Patient with Dengue Fever and Bilateral Retinitis. Mount Sinai Internal Medicine Department Poster Day, New York, New York, 2008
5. **Afonso A**, Silvay G. The World's first twenty-five heart transplants: Is there hope for the elderly? Perioperative care for the geriatric patient conference, Prague, Czech Republic, June 2009
6. **Afonso A**, Flynn B. Delirium in post-cardiac patients in the intensive care unit. Perioperative care for the geriatric patient conference, Prague, Czech Republic, June 2009
7. **Afonso A**, Fischer G. Isolated aortic valve surgery and outcome. International Anesthesia Research Society Meeting (IARS), Honolulu, Hawaii, March 2010
8. **Afonso A**, Hausman L. Anesthetic Implications and airway management of a Cowden Syndrome patient. American Society of Anesthesiologists (ASA) Meeting, Chicago, Illinois, Oct 2011
9. **Afonso A**, Gan TJ. Clinical Pathways to Success: The Concept of Enhanced Recovery (ERAS): What Does It Mean To You? ERAS and the Anesthesiologist: How Do We Impact Outcome? Post Graduate Assembly in Anesthesiology (PGA), New York, New York, 2016.

10. **Afonso, A.** Patient on Multiple Chemotherapeutic Agents for Exploratory Laparotomy: Anesthetic Considerations. Post Graduate Assembly in Anesthesiology (PGA), New York, New York, 2016