

CURRICULUM VITAE

JANUARY 1, 2024

PERSONAL INFORMATION

Name (Last, First)	Aminian, Ali
Credentials	MD, FACS, FASMBS
Position	Director of Bariatric and Metabolic Institute
Academic Rank	Professor of Surgery
Institution & Institute	Cleveland Clinic, Digestive Disease and Surgery Institute
Department	General Surgery
Office Address & Mail Code	
Office Phone	
Office Email	

EDUCATION & TRAINING

Education

School & City, State / Country	Shiraz University of Medical Sciences, Shiraz, Iran
Degree	Doctor of Medicine (M.D.)
Start-End Dates	10/1995 – 09/2002

Post-Graduate Training

Institution & City, State / Country	Shiraz University of Medical Sciences, Shiraz, Iran
Position	Internship
Start-End Dates	04/2001 – 09/2002
Institution & City, State / Country	Tehran University of Medical Sciences, Tehran, Iran
Position	Residency: General Surgery
Start-End Dates	10/2002 – 09/2006
Institution & City, State / Country	Cleveland Clinic, Cleveland, Ohio
Position	Research Fellowship: Advanced Laparoscopic and Bariatric Surgery
Start-End Dates	07/2012 – 06/2013
Institution & City, State / Country	Cleveland Clinic, Cleveland, Ohio
Position	Clinical Fellowship: Advanced Laparoscopic and Bariatric Surgery
Start-End Dates	07/2013 – 06/2014
Institution & City, State / Country	Cleveland Clinic, Cleveland, Ohio
Position	Clinical Scholarship: Advanced Metabolic and Diabetes Surgery
Start-End Dates	07/2014 – 06/2015

PROFESSIONAL APPOINTMENTS

Position	Director of Bariatric and Metabolic Institute
Institution & Institute	Cleveland Clinic, Digestive Disease and Surgery Institute
Department	General Surgery
Start-End Dates	03/2020 – Present
Position	Acting Section Head of Bariatric Surgery
Institution & Institute	Cleveland Clinic, Digestive Disease and Surgery Institute
Department	General Surgery
Start-End Dates	08/2019 – 03/2020

Position	Staff
Institution & Institute	Cleveland Clinic, Digestive Disease and Surgery Institute
Department	General Surgery
Start-End Dates	04/2017 – Present
Position	Associate Staff
Institution & Institute	Cleveland Clinic, Digestive Disease and Surgery Institute
Department	General Surgery
Start-End Dates	04/2016 – 03/2017
Position	Clinical Associate
Institution & Institute	Cleveland Clinic, Digestive Disease and Surgery Institute
Department	General Surgery
Start-End Dates	07/2015 – 03/2016
Position	Limited Clinical Practitioner
Institution & Institute	Cleveland Clinic, Digestive Disease and Surgery Institute
Department	General Surgery
Start-End Dates	09/2014 – 06/2015
Position	Researcher
Institution & Institute	Southeast Clinical Research Associates
Department	General Surgery
City, State / Country	Houston, Texas
Start-End Dates	10/2011 – 06/2012
Position	Staff
Institution & Institute	Imam Khomeini Hospital Complex (Affiliated to Tehran University)
Department	General Surgery
City, State / Country	Tehran, Iran
Start-End Dates	10/2006 – 09/2011

ACADEMIC APPOINTMENTS

Rank & Department	Professor of Surgery
Institution & City, State / Country	Cleveland Clinic Lerner College of Medicine of CWRU, Cleveland, Ohio
Start-End Dates	07/2021 – Present
Rank & Department	Associate Professor of Surgery
Institution & City, State / Country	Cleveland Clinic Lerner College of Medicine of CWRU, Cleveland, Ohio
Start-End Dates	04/2017 – 06/30/2021
Rank & Department	Assistant Professor of Surgery
Institution & City, State / Country	Tehran University of Medical Sciences, Tehran, Iran
Start-End Dates	10/2006 – 09/2011

ADDITIONAL CAREER DEVELOPMENT

Leadership Development

School / Institution	HVTI's Personal Healthcare Leadership Development Series
Title / Certificate	Healthcare Leadership Development Series
Start-End Dates	09/2021 – 03/2022

Educator Development

School / Institution	Tehran University of Medical Sciences, Tehran, Iran
Title / Certificate	Fellowship in Medical Education
Start-End Dates	02/2007 – 02/2008

Clinical Development

School / Institution	World Association of Laparoscopic Surgeons, New Delhi, India
Title / Certificate	Diploma in Minimal Access Surgery
Start-End Dates	02/2009-03/2009

CERTIFICATION & LICENSURE**Certification**

Name of Board	American Board of Surgery
Date Issued & Expires	2022 – Present

Name of Board	Iranian Board of Surgery
Date Issued & Expires	2006 – Present

Name of Board	Educational Commission for Foreign Medical Graduates (ECFMG)
Certificate Number	0-871-127-7
Date Issued	2012

Licensure

Name of State Medical Board	Unrestricted Permanent Medical License of Iran
Date Issued & Expires	2009 – Present

Name of State Medical Board	Permanent Medical License of Ohio
License Number	35.125058
Date Issued & Expires	2014 – 2023

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Name of Society	Medical Council of Iran
Role / Title	Member
Start-End Dates	2002 – Present

Name of Society	Iranian Association of Surgeons
Role / Title	Member
Start-End Dates	2007 – Present

Name of Society	World Association of Laparoscopic Surgeons (WALS)
Role / Title	Member
Start-End Dates	2009 – Present

Name of Society	Society of American Gastrointestinal and Endoscopic Surgeons (SAGES)
Role / Title	Member
Start-End Dates	2009 – Present

Name of Society	International College of Surgeons
Role / Title	Fellow
Start-End Dates	2010 – Present

Name of Society	Society for Surgery of the Alimentary Tract (SSAT)
Role / Title	Member
Start-End Dates	2011 – Present
Name of Society	American Society for Metabolic and Bariatric Surgery (ASMBS)
Role / Title	Member
Start-End Dates	2013 – Present
Name of Society	International Federation for the Surgery of Obesity (IFSO)
Role / Title	Member
Start-End Dates	2015 – Present
Name of Society	American College of Surgeons (ACS)
Role / Title	Fellow
Start-End Dates	2015 – Present

PROFESSIONAL SERVICES

Editorial Board Membership

Journal 1	World Journal of Laparoscopic Surgery
Start-End Dates	2009 – 2020
Journal 2	Journal of Minimally Invasive Surgical Sciences (Associate Editor)
Start-End Dates	2012 – 2020
Journal 3	Obesity Surgery
Start-End Dates	2016 – Present
Journal 4	Surgery for Obesity and Related Diseases
Start-End Dates	2018 – 2021
Journal 4	Surgery for Obesity and Related Diseases (Associate Editor)
Start-End Dates	2021 – Present

Manuscript Reviewer

AD HOC REVIEWER OF >20 PEER-REVIEWED JOURNALS, INCLUDING:

Journal 1	Lancet Diabetes & Endocrinology
Start-End Dates	2014 – Present
Journal 2	Annals of Surgery
Start-End Dates	2016 – Present
Journal 3	Diabetes Care
Start-End Dates	2016 – Present
Journal 4	Journal of Clinical Endocrinology & Metabolism
Start-End Dates	2019 – Present
Journal 5	British Journal of Surgery
Start-End Dates	2020 – Present
Journal 6	Diabetes, Obesity and Metabolism
Start-End Dates	2020 – Present
Journal 7	JAMA Internal Medicine
Start-End Dates	2020 – Present

Journal 8 Start-End Dates	JAMA Surgery 2020 – Present
Journal 9 Start-End Dates	Gut 2020 – Present
Journal 10 Start-End Dates	European Heart Journal 2021 – Present
Journal 11 Start-End Dates	British Medical Journal (BMJ) 2022 – Present
Book 1 Start-End Dates	Schwartz’s Principles of Surgery, 8 th Ed. (explained 142 errors to editors) 2007
Book 2 Start-End Dates	Sabiston Textbook of Surgery, 17 th Ed. (explained 37 errors to editors) 2007

Study Sections/ Grant Review Committees

Organization	American Society for Metabolic and Bariatric Surgery (ASMBS)
Start-End Dates	06/2015 – 06/2021

COMMITTEE SERVICE

International

Organization	International Federation for the Surgery of Obesity (IFSO)
Committee Name / Role	Communication Committee / Member
Start-End Dates	09/2017 – 09/2020

Organization	International Federation for the Surgery of Obesity (IFSO)
Committee Name / Role	Scientific Committee / Member
Start-End Dates	11/2023 – 11/2026

National

Organization	American Society for Metabolic and Bariatric Surgery (ASMBS)
Committee Name / Role	Research Committee / Member
Start-End Dates	12/2014 – 06/2021

Organization	American Society for Metabolic and Bariatric Surgery (ASMBS)
Committee Name / Role	Clinical Issue Committee / Member
Start-End Dates	12/2015 – Present

Organization	American Society for Metabolic and Bariatric Surgery (ASMBS)
Committee Name / Role	Low BMI Task Force / Chair
Start-End Dates	03/2016 – 08/2018

Organization	American Society for Metabolic and Bariatric Surgery (ASMBS)
Committee Name / Role	Research Committee / Co-Chair
Start-End Dates	12/2016 – 12/2018

Organization	American College of Surgeons (ACS)
Committee Name / Role	Operative Decision-Making Committee, Bariatric Subcommittee / Member
Start-End Dates	01/2017 – 06/2020

Organization	Society of American Gastrointestinal and Endoscopic Surgeons (SAGES)
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Committee Name / Role Start-End Dates	Metabolic and Bariatric Surgery Committee / Member 01/2018 – Present
Organization Committee Name / Role Start-End Dates	American Society for Metabolic and Bariatric Surgery (ASMBS) Quality Improvement and Patient Safety Committee / Member 03/2021 – 12/2022
Organization Committee Name / Role Start-End Dates	American Society for Metabolic and Bariatric Surgery (ASMBS) Council-person at Large at the Executive Council 06/2021 – 06/2023
<u>Cleveland Clinic</u> Committee Name Role Start-End Dates	Quality Committee, Digestive Disease and Surgery Institute Bariatric Surgery Quality Improvement Officer 2016 – Present
Committee Name Role Start-End Dates	Research Committee, Department of General Surgery Director of Research in Department of General Surgery 2020– Present
<u>Educational Committees</u> Organization Committee Name/Role Dates of Service	Iranian Ministry of Health and Medical Education National Pre-Internship Examination Board (Member) 2007- 2011
Organization Committee Name/Role Dates of Service	Iranian Ministry of Health and Medical Education National Committee, Development of Core Curriculum of Surgery Residency (Member) 2007
Organization Committee Name/Role Dates of Service	Iranian Ministry of Health and Medical Education National Committee, Revising Regulations of Fellowship Programs (Member) 2007
Organization Committee Name/Role Dates of Service	Iranian Ministry of Health and Medical Education National Committee, Development of Core Curriculum of Surgery Clerkship (Director) 2008
Organization Committee Name/Role Dates of Service	Tehran University of Medical Sciences, Tehran, Iran Task Force for Defining Competencies of Medical Graduates (Director) 2008- 2009
Organization Committee Name/Role Dates of Service	Iranian Ministry of Health and Medical Education National Committee, Development of Core Curriculum of Surgery Internship (Director) 2009
Organization Committee Name/Role Dates of Service	Tehran University of Medical Sciences, Tehran, Iran Professionalism Committee (Member) 2008-2010

Organization	Tehran University of Medical Sciences, Tehran, Iran
Committee Name/Role	Communication Skill Committee (Member)
Dates of Service	2008-2010

HONORS & AWARDS

- Top Medical Student of Shiraz University of Medical Sciences, Shiraz, Iran at the National Basic Science Examination (1997), Pathophysiology (1999), and Internship (2002)
- Nominated as a Top Student of Shiraz University to the National Residency Examination of Iran (2002)
- National Award for First Rank in the Annual Iranian Board of General Surgery Examination (2006)
- Best Abstract, 9th National Medical Educational Congress of Iran (2008)
- Best Educational Innovation in Annual Educational Festival of Tehran University of Medical Sciences (2008, 2009, 2010, 2011)
- Selected Educational Innovation in Annual National Medical Educational Festival of Iran (2009, 2010)
- Exhibit of Exceptional Merit, 97th Annual Congress of American College of Surgeons (2011)
- One of Top 10 Research, Obesity Week Congress (2013)
- One of Top 15 Posters, Obesity Week Congress (2013)
- American Society for Metabolic and Bariatric Surgery John Halverson Young Investigator Award (2013)
- One of Top 10 Research, World Congress of International Federation for the Surgery of Obesity (IFSO, 2014)
- Foster/Schauer Award for Young Investigator, Obesity Week Congress (2014)
- One of Top 10 Research, Obesity Week Congress (2014)
- One of Top 15 Research, Obesity Week Congress (2014)
- First Place Outstanding Poster Award, Obesity Week Congress (2015)
- Metabolic and Bariatric Surgeon Accreditation and Quality Improvement Program (MBSAQIP) Verified Surgeon (2016)
- Podium Presentation at the Annual Meeting of American Surgical Association (2016)
- Poster of Distinction, Obesity Week Congress (2016)
- Podium Presentation at the Annual Meeting of American Surgical Association (2017)
- One of Top 10 Research, Obesity Week Congress (2017)
- One of Top 10 Research, World Congress of International Federation for the Surgery of Obesity (IFSO, 2018)
- One of Top 10 Research, Obesity Week Congress (2018)
- American Society for Metabolic and Bariatric Surgery (ASMBS) Distinguished Service Award (2018)
- Late Breaking Research Presentation at the European Society of Cardiology (ESC) Congress (2019)
- One of Top 10 Research, Obesity Week Congress (2019)
- Accepted for Podium Presentation at the Annual Meeting of American Surgical Association (2020)
- Podium Presentation at the Annual Meeting of American Surgical Association (2021)
- Latest Science Research Presentation at the European Society of Cardiology (ESC) Congress (2021)
- Selected for Academic Pathway for American Board of Surgery (ABS) Certification (2022)
- Distinguished Clinical Research Achievement Award by the Clinical Research Forum, US (2023)
- LEAD Award in Research by the TREO Foundation, US (2023)
- Podium Presentation at the Annual Meeting of American Surgical Association (2024)

TEACHING ACTIVITIES

Invited Lectures

SELECTED FROM >100 INVITED INTERNATIONAL AND NATIONAL LECTURES:

International

1. The Use of Pharmacoprophylaxis for VTE Prevention: Pros and Cons. *Keynote Lecture* at the 21st World Congress of International Federation for the Surgery of Obesity (IFSO); Rio de Janeiro, Brazil 2016

2. Persistent metabolic syndrome with adequate weight control: an indication for revisional bariatric surgery? 21st World Congress of International Federation for the Surgery of Obesity (IFSO); Rio de Janeiro, Brazil 2016
3. Should all pre-operative bariatric patients stop smoking? *Keynote Lecture* at the 22nd World Congress of International Federation for the Surgery of Obesity (IFSO); London, UK 2017
4. Evidence Based Metabolic Procedure Selection. 23rd World Congress of International Federation for the Surgery of Obesity (IFSO); Dubai, UAE 2018
5. The clinical effect of bariatric surgery on Type 2 diabetes mellitus. 16th World Congress of Endoscopic Surgery; Seattle, WA 2018
6. Quality of life after metabolic surgery versus conventional therapies for type 2 diabetes. World Congress on Interventional Therapies for Type 2 Diabetes (WCITD); New York City, NY 2018
7. Does bariatric surgery ameliorate COVID-19? 25th World Congress of International Federation for the Surgery of Obesity (IFSO); Miami, FL 2022

National

1. Controversies around New Metabolic Operations. Obesity Week Annual Congress; Washington, DC 2017
2. Apps to Assist Bariatric Decision Making. Obesity Week Annual Congress; Nashville, TN 2018
3. Bariatric Surgery in Patients with Type 1 Diabetes—What Do We Know? 78th Scientific Sessions of American Diabetes Association; Orlando, FL 2018
4. Individualized approach in metabolic surgery. Obesity Week Annual Congress; Las Vegas, NV 2019
5. Intentional weight loss as a cancer prevention strategy. ASMBS Annual Meeting; Dallas, TX 2022

Grand Rounds

1. Individualized approach in metabolic surgery. Pennington Biomedical Research Center; Baton Rouge, LA 2019
2. How Can Bariatric Surgery Save Lives? Cleveland Clinic Florida's George and Betsy Matthews Surgical Grand Rounds; Virtual 2021
3. Can metabolic surgery save lives in the COVID-19 era? Pennington Metabolic Surgery Grand Rounds; Virtual 2021

Fellows Trained (Research and Clinical)

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|------------------------------|--|
| 1. Tammy Fouse, MD | Clinical 2015-16, Private Practice, Idaho |
| 2. Michael Mulcahey, MD | Clinical 2015-16, Army, Hawaii |
| 3. Dvir Froylich, MD | Clinical 2015-16, Academic Practice, Israel |
| 4. Mohamed Alsulaimy, MD | Clinical 2015-16, Academic Practice, Kuwait |
| 5. Suriya Punchai, MD | Research 2015-16 Academic Practice, Thailand |
| 6. Katherine Meister, MD | Clinical 2016-17, Private Practice, Ohio |
| 7. Linden Karas, MD | Clinical 2016-17, Private Practice, Ohio |
| 8. Javier Birriel, MD | Clinical 2016-17, Academic Practice, Pennsylvania |
| 9. Heath Antoine, MD | Clinical 2016-17, Private Practice, New Jersey |
| 10. Gautam Sharma, MD | Research 2016-18, Resident in Ohio |
| 11. Zubaidah Nor Hanipah, MD | Research 2016-18, Academic Practice, Malaysia |
| 12. Monique Hassan, MD | Clinical 2017-18, Academic Practice, Texas |
| 13. Kellen Hayes, MD | Clinical 2017-18, Private Practice, Pennsylvania |
| 14. Theodore Hufford, MD | Clinical 2017-18, Private Practice, New York |
| 15. Essa Aleassa, MD | Research 2017-18, Clinical 2018-19, Academic Practice, UAE |
| 16. Charles Keith, MD | Clinical 2018-19, Academic Practice, Texas |

17. Taher Gulamhusein, MD	Clinical 2018-19, Private Practice, Texas
18. Roman Vangoitsenhoven, MD PhD	Research 2018-19, Academic Practice, Belgium
19. Noe Rodriguez, MD	Clinical 2019-20, Private Practice, Arkansas
20. Faiz Shariff, MD	Clinical 2019-20, Academic Practice, Pennsylvania
21. Vance Albaugh, MD PhD	Clinical 2019-20, Academic Practice, Louisiana
22. Rickesha Wilson, MD	Research 2019-20, Clinical 2020-21, Staff at Cleveland Clinic
23. Hana Fayazzadeh, MD	Research 2020-23, Researcher, Cleveland Clinic
24. Abbas Al-Kurd, MD	Clinical 2020-21, Academic Practice, Michigan
25. Yarret Robles Torres, MD	Clinical 2021-22, Academic Practice, Puerto Rico
26. Ahmed Shamia, MD	Clinical 2021-22, Academic Practice, Saudi Arabia
27. Abdullah Al Jabri, MD	Research 2021-22, Clinical 2022-23, Oman
28. Hemn Qader, MD	Clinical 2022-23, Private Practice, California
29. Mohammad Hesam Alavi, MD	Research 2023-24, Current fellow
30. Nader Estfanous, MD	Clinical 2023-24, Current fellow
31. Ingrid Schmiederer, MD	Clinical 2023-23, Current fellow

Teaching Material Produced

1. Self-Learning Card Entitled “Key to Electrolytes and Acid-Base Disorders”, 2002
2. Development of Electronic Logbook for Surgical Residents of Tehran University of Medical Sciences, Iran 2007
3. Construction of Trainer Box for Laparoscopy Self-Learning, Tehran University of Medical Sciences, Iran 2007
4. Development of Educational CD Entitled “Common Surgical Cases for Medical Students”, 2007
5. Development of Software Entitled “Educational Package for Junior Surgical Residents”, 2009
6. Development of Curriculum of Bariatric Surgery Rotation for General Surgery Residents, 2017

Teaching Administration

1. Program Director, General Surgery Residency Program, Tehran University of Medical Sciences (TUMS), Tehran, Iran (*the oldest and largest surgical training program in Iran*), 2007 – 2010
2. Vice-chancellor of Education, Imam Khomeini Hospital Complex (Affiliated to TUMS), Tehran, Iran 2009-2011
3. Associate Program Director, Advanced Laparoscopic and Bariatric Surgery Fellowship Program at Cleveland Clinic, 2015 – 2018
4. Bariatric Surgery Team Staff Liaison to Resident Education Committee, Cleveland Clinic, 2017 – Present
5. Program Director, Advanced Laparoscopic and Bariatric Surgery Fellowship Program at Cleveland Clinic, 2018 – Present

Teaching Activities

1. As Program Director of the General Surgery Residency at Tehran University of Medical Sciences (2007-2010), I was involved in the education and training of more than 100 residents:
 - Advisor of 15 Undergraduate Medical and General Surgery Specialty Theses
 - Director of Committee for Assessment of Clinical Competency of Residents, Annual OSCE, and Annual General Surgery In-training Examination for Residents
 - Moderator of Weekly Journal Club, Case Report, and Textbook Reading Sessions in Department of Surgery
 - Director of “First Day of Residency” and “Introduction to Operating Room” Workshops
2. Daily teaching in the clinic and operating room for bariatric surgery fellows, general surgery residents, and/or medical students, 2006 – Present
3. Organizing and moderating weekly bariatric fellow conferences at Cleveland Clinic, 2015 – Present

RESEARCH / GRANT SUPPORT

ONLY listed the projects as Principle Investigator (PI):

Sponsor Agency and ID #	Ethicon
Title of Grant	Efficacy of Cardiometabolic Risk Factor Control through Metabolic Surgery on Management and Severity of Atrial Fibrillation
Role	PI
Percent Effort	15%
Percent Salary Support	0%
Total Awarded	430,000 USD
Start-End Dates	2023-2028
Sponsor Agency and ID #	NIH-NIDDK (U01 DK114156)
Title of Grant	Alliance of Randomized Trials of Medicine vs Metabolic Surgery in Type 2 Diabetes-ARMMST2D
Role	PI
Percent Effort	15%
Percent Salary Support	15%
Total Awarded	1,308,257 USD
Start-End Dates	2023-2023
Sponsor Agency and ID #	Medtronic
Title of Grant	Cost-Effectiveness Analysis of Bariatric Surgery for Patients with Diabetes
Role	PI
Percent Effort	5%
Percent Salary Support	0%
Total Awarded	68,000 USD
Start-End Dates	2022-2024
Sponsor Agency and ID #	Medtronic
Title of Grant	Association of bariatric surgery with risk and severity of COVID-19
Role	PI
Percent Effort	5%
Percent Salary Support	0%
Total Awarded	52,000 USD
Start-End Dates	2021-2022
Sponsor Agency and ID #	American Society for Metabolic and Bariatric Surgery (ASMBS)
Title of Grant	Does Bariatric Surgery-Induced Shift in Gut Microbiome Provide Metabolic Benefit?
Role	PI
Percent Effort	10%
Percent Salary Support	0%
Total Awarded	25,000 USD
Start-End Dates	2018-2021
Sponsor Agency and ID #	Society of American Gastrointestinal and Endoscopic Surgeons (SAGES)
Title of Grant	An experimental study of bariatric surgery in type 1 diabetes
Role	PI
Percent Effort	10%
Percent Salary Support	0%
Total Awarded	30,000 USD
Start-End Dates	2016-2020
Sponsor Agency and ID #	Medtronic
Title of Grant	Diabetes Mortality and Morbidity Risk Predictor
Role	PI

Percent Effort	5%
Percent Salary Support	0%
Total Awarded	55,000 USD
Start-End Dates	2019-2020
Sponsor Agency and ID #	Medtronic
Title of Grant	Major Adverse Cardiovascular Events in Patients with Obesity and Diabetes
Role	PI
Percent Effort	5%
Percent Salary Support	0%
Total Awarded	75,000 USD
Start-End Dates	2018-2019
Sponsor Agency and ID #	Research Program Committee (RPC), Cleveland Clinic
Title of Grant	Bariatric surgery and kidney, a neglected consideration
Role	PI
Percent Effort	5%
Percent Salary Support	0%
Total Awarded	25,000 USD
Start-End Dates	2015-2016
Sponsor Agency and ID #	Metabolic Translational Research Center (MTRC), Cleveland Clinic
Title of Grant	Assessment of role of GI microbiome in remission of diabetes after bariatric surgery
Role	PI
Percent Effort	10%
Percent Salary Support	0%
Total Awarded	40,000 USD
Start-End Dates	2013-2015
Sponsor Agency and ID #	Research Program Committee (RPC), Cleveland Clinic
Title of Grant	Metabolic surgery in a rat model of type 1 diabetes
Role	PI
Percent Effort	5%
Percent Salary Support	0%
Total Awarded	25,000 USD
Start-End Dates	2012-2015

BIBLIOGRAPHY

Peer Reviewed Articles

1. Shamimi K, *Aminian A*, Omranipour R, Mansouri R. Ovarian metastasis in colorectal cancers. Indian Journal of Coloproctology 2004;19:9-13
2. Toolabi K, Alibakhshi A, Rabani A, *Aminian A*. Laparoscopic splenectomy for hematological disorders. Tehran University Medical Journal 2005;63:625-30
3. Shamimi K, *Aminian A*, Moazami F, Jalali M, Darabnia J. Emphysematous cholecystitis. Indian Journal of Surgery 2006;68:176-7
4. Shamimi K, Moazami F, Jalali M, *Aminian A*. Delayed cholangitis due to a retained T- tube fragment. Indian Journal of Surgery 2006;68:226-7
5. *Aminian A*, Aminian B, Nekooian AA, Hoseinali F. Effect of verjuice (unripe grape juice) on plasma lipid levels in rabbits rendered hypercholesterolemic by feeding egg yolk. Acta Medica Iranica 2006;44:230-4

6. Rabbani A, Pakane MA, Kaviani A, **Aminian A**. Duplication of Appendiceals: a case report. JAUMS 2007;5:1273-5
7. Shamimi K, **Aminian A**, Moazami F, Jalali M. Intra-abdominal hypertension and abdominal compartment syndrome in the surgical intensive care unit of Imam Khomeini Hospital. Tehran University Medical Journal 2007;64:76-83
8. **Aminian A**, Shamimi K, Moazami F, Jalali M, Mirsharifi R. Non-occlusive mesenteric ischemia in acute pancreatitis. Shiraz E Medical Journal 2007;8:45-8
9. Karimian F, **Aminian A**, Gharaee F. Intraoperative cholangiography during laparoscopic cholecystectomy, for which patient? Journal of Association of Iranian Endoscopic Surgeons 2008;30:52-8
10. Khorgami Zh, Mahmoodzadeh H, Khaheshi I, Bagheri MJ, **Aminian A**. Gastrointestinal stromal tumors: Review of literature. Iranian Journal of Surgery 2008;16(3)
11. **Aminian A**, Mirsharifi R, Kalhor M, Dashti H, Ali FA, Alibakhshi A, Jafarian A, Karimian F. Synchronous esophageal and gastric cancers. Indian Journal of Surgery 2008;70:205-6
12. **Aminian A**, Jafarian A, Mirsharifi R, Ali FA. Monckeberg's sclerosis. Archives of Iranian Medicine 2008;11:344,351
13. Mirsharifi R, **Aminian A**, Jafarian A, Kalhor M, Dashti H, Ali FA, Alibakhshi A, Tahvildary M, Heidari S, Tavakoli F. Retained foreign body, brief review. Shiraz E Medical Journal 2008;9(3,4)
14. **Aminian A**, Mirsharifi R, Kalhor M, Dashti H. Amyand's hernia. Indian Journal of Gastroenterology 2008;27:209
15. **Aminian A**, Jafarian A, Mirsharifi R, Moulavi S, Dashti H, Ali FA. Retroperitoneal cystic lymphangioma. Indian Journal of Surgery 2008;70:150-1
16. **Aminian A**. Gossypiboma: A case report. Cases Journal 2008;1:220
17. Pakaneh MA, Fazeli MS, Ghanaati H, Kaviani A, **Aminian A**, Zobeiri T, Bashashati M. Non-contrast spiral computed tomography in diagnosis of acute appendicitis. Iranian Journal of Radiology 2008;5:1-6
18. Mirsharifi R, **Aminian A**, Jafarian A. The top 50 Iranian surgical articles. Shiraz E Medical Journal 2008;9:97-104
19. **Aminian A**, Ali FA. A new method for palliative biliary drainage in malignant obstructive jaundice. Iranian Journal of Medical Hypotheses and Ideas 2008;2:5
20. Karimian F, **Aminian A**, Hashemi E, Meysamie AP. Value of core needle biopsy as the first diagnostic procedure in palpable breast mass. Shiraz E Medical journal 2008;9:188-92
21. Javid MJ, Toolabi K, **Aminian A**. Two lung ventilation through single lumen tracheal tube in thoroscopic thymectomy: a randomized clinical trial of efficacy and safety. Middle East Journal of Anesthesiology 2008;19:1361-8
22. Karimian F, **Aminian A**, Mirsharifi R, Mehrkhani F. Surgical options in the management of cystic duct avulsion during laparoscopic cholecystectomy. Patient Safety in Surgery 2008;2:17
23. Mirsharifi R, Moulavi S, **Aminian A**, Karimian F, Harirchian MH, Fazeli MS. Evaluation of clinical outcome of thymectomy on myasthenia gravis. Tehran University Medical Journal 2009;66:821-5

24. Karimian F, Moghadam-Yeganeh J, **Aminian A**, Meysami AP, Fazeli MS, Kazemeini A. Comparison of two methods for mechanical bowel preparation in elective operations of colon. *Tehran University Medical Journal* 2009;67:284-9
25. Karimian F, **Aminian A**, Lebaschi AH, Mirsharifi R. Perforated peptic ulcer, comparison between laparoscopic and open repair. *Shiraz E Medical Journal* 2009;10:20-6
26. **Aminian A**, Mirsharifi R, Jalali M, Darabnia J, Ali FA. Traumatic rupture of the thoracic aorta. *Archives of Iranian Medicine* 2009;12:83-4
27. **Aminian A**. Analysis of errors in laparoscopic cholecystectomy. *World Journal of Laparoscopic Surgery* 2009;2:17-9
28. Mirsharifi R, Karimian F, Farahmand MR, **Aminian A**. Asymptomatic carotid artery stenosis in patients with severe peripheral vascular diseases. *Journal of Research in Medical Sciences* 2009;14:117-22
29. **Aminian A**, Noaparast M, Mirsharifi R, Bodaghabadi M, Mardany O, Ali FAH. Ileal intussusception secondary to both lipoma and angiolipoma: a case report. *Cases Journal* 2009;2:7099
30. Taslimi R, Safari S, Kazemeini A, **Aminian A**, Joneidi E, Larti F. Abdominal pain due to a lost guidewire: A case report. *Cases Journal* 2009;2:6680
31. Toolabi K, **Aminian A**, Javid MJ, Harirchian MH, Rabani A, Darabnia J. Mid-term results of thoracoscopic thymectomy for myasthenia gravis. *Neurology India* 2009;57:402-5
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Edited Books

1. **Aminian A**, Ghaderi H, Kazemeini A. Book: Clinical Cases and OSCEs in General Surgery. Royan Pazhouh Publication, Tehran, Iran, 2011.

Book Chapters

1. **Aminian A**, Schauer PR. Chapter 29: Surgical Treatment of Obesity and Comorbidities. In: Bray and Bouchard Handbook of Obesity (Volume 2), 4th edition, CRC Press, 2014, Page 365-384.

2. Schauer PR, **Aminian A**, Brethauer SA. Chapter 29: Operation of Choice for Metabolic Surgery. In: ASMBS Textbook of Bariatric Surgery, 1st Edition, Springer, 2015, Page 331-342.

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Media Appearances & Coverage

Extensive media appearance for coverage of my research by mainstream media including the TIME, New York Times, Wall Street Journal, Washington Post, Newsweek, CBS News, Reuters, NPR, Forbes, Bloomberg, etc., and medical news media including Medscape, MedPage Today, WebMD, Healio, etc.

TIME Magazine

Weight-Loss Surgery Dramatically Lowers the Risk of Early Death, a New Study Finds (Sept 2, 2019)
<https://time.com/5664640/weight-loss-surgery-health-benefits/>

Weight Loss Surgery Is Linked to a Dramatic Drop in Cancer Risk: Study (June 3, 2022)
<https://time.com/6183744/weight-loss-bariatric-surgery-cancer/>

New York Times

Weight-Loss Surgery May Reduce Heart Risks in People With Type 2 Diabetes (Sept 2, 2019)
<https://www.nytimes.com/2019/09/02/health/bariatric-surgery-heart-attack.html>

Bariatric Surgery May Lower Risk for Severe Liver Disease, New Study Finds (Nov 11, 2021)
<https://www.nytimes.com/2021/11/11/health/obesity-fatty-liver-surgery.html>

Weight Loss Tied to a Dramatic Drop in Cancer Risk, New Study Shows (June 3, 2022)
<https://www.nytimes.com/2022/06/03/well/weight-loss-cancer.html>

Wall Street Journal

Weight-Loss Surgery Has Other Benefits: Easing Diabetes and Heart Disease (Sept 2, 2019)
<https://www.wsj.com/articles/weight-loss-surgery-has-other-benefits-easing-diabetes-and-heart-disease-11567405800>

Weight-Loss Surgery May Reduce Risk of Liver Disease (Nov 11, 2021)
<https://www.wsj.com/articles/weight-loss-surgery-may-reduce-risk-of-liver-disease-11636647576>

Washington Post

Weight-loss surgery linked to lower cancer death rate in large study (June 12, 2022)
<https://www.washingtonpost.com/health/2022/06/12/reducing-obesity-cancer-risk/>

Reuters

Fewer Cardiovascular Events Seen in Diabetics after Weight Loss Surgery (Sept 2, 2019)
<https://www.reuters.com/article/us-health-diabetes-obesity/fewer-cardiovascular-events-seen-in-diabetics-after-weight-loss-surgery-idUSKCN1VN0GB>

CNN

Can weight loss help protect against Covid-19? (Jan 3, 2022)
<https://www.cnn.com/2022/01/03/health/covid-weight-loss-wellness/index.html>

Forbes

Want To Know Your Risk Of Obesity, Diabetes Problems? Here Is A Calculator (Nov 9, 2019)
<https://www.forbes.com/sites/brucelee/2019/11/09/want-to-know-your-risk-of-obesity-diabetes-problems-here-is-a-calculator/#285919121c36>

Bariatric Surgery, Weight Loss Linked To 60% Lower Risk of Severe Covid-19 (Jan 3, 2022)
<https://www.forbes.com/sites/brucelee/2022/01/03/bariatric-surgery-weight-loss-linked-to-60-lower-risk-of-severe-covid-19/?sh=77925eaf2b8e>

Bariatric Surgery Weight Loss Linked To 32% Lower Obesity-Related Cancer Risk, SPLENDID Study Says (June 13, 2022)
<https://www.forbes.com/sites/brucelee/2022/06/13/bariatric-surgery-linked-to-32-lower-obesity-related-cancer-risk-splendid-study-says/?sh=3401e7ac5b3f>

Newsweek

Weight Loss Can Reduce Risk of Severe COVID in Obese People, Study Suggests (Dec 30, 2021)
<https://www.newsweek.com/weight-loss-associated-better-covid-outcomes-obesity-study-cleveland-1664388>

Software / Application Development

Development of *BariatricCalc* app (available on App Store and Google Play for free download):

BariatricCalc or Bariatric Surgery Decision-Making Smartphone Application has 10 different algorithms, originated from my clinical research, which can assist in evidence-based and personalized risk stratification, surgical procedure selection, and shared decision-making. The app is widely used by the bariatric programs worldwide.

First version was released in 2017. Second version was released in 2019.

Editorials

1. *Aminian A*, Nissen SE. Success (but Unfinished) Story of Metabolic Surgery. *Diabetes Care* 2020;43:1175-1177.

Letters

1. Kirwan JP, Brethauer SA, *Aminian A*, Rosenthal RJ, Kashyap SR, Schauer PR: Response to comments on Brethauer et al. Bariatric surgery improves the metabolic profile of morbidly obese patients with type 1 diabetes. *Diabetes Care* 2014;37:e251

2. *Aminian A*, Schauer PR, Brethauer SA: Malignant gastric carcinoid tumor and morbid obesity. *Surgery for Obesity and Related Diseases* 2014;10:1237

3. *Aminian A*, Brethauer SA, Schauer PR: Citation analysis in bariatric surgery. *Obesity Surgery* 2015;25:2417-8

4. *Aminian A*, Schauer PR, Brethauer SA: Effect of gastric bypass vs. duodenal switch on HDL cholesterol. *JAMA Surgery* 2015;150:1098-9

5. *Aminian A*, Schauer PR, Brethauer SA: Reply to: Assessment of pouch and stoma size in weight loss failure after Roux-en-Y gastric bypass. *Surgery for Obesity and Related Diseases* 2016;12:211-2

6. Mahawar KK, Carr WRJ, Borg CM, *Aminian A*. Does Sleeve Gastrectomy Cause Barrett's Oesophagus? *Obesity Surgery* 2018;28:4049-4050.

7. *Aminian A*, Andalib A. Individualized metabolic surgery (IMS) score. *Surgery for Obesity and Related Diseases* 2018;14:1921-1922.

8. *Aminian A*. Roux-en-Y gastric bypass or sleeve gastrectomy for type 2 diabetes: expanding role of individualized metabolic surgery score. *Surgery for Obesity and Related Diseases* 2020;16:972-973.

9. Arterburn D, *Aminian A*, Nissen S, Schauer P, Haneuse S. Bias in electronic health record-based studies: Seeing the forest for the trees. *Diabetes, Obesity & Metabolism* 2021;23:1692-1693.

10. Albaugh VL, *Aminian A*. Diabetes control before metabolic and bariatric surgery. *Surgery for Obesity and Related Diseases* 2022;18:296-297.

11. *Aminian A*, Nissen SE. Potential Bias About the Association Between Weight Loss Surgery and COVID-19 Infection-Reply. *JAMA Surgery* 2022;157:741.

12. *Aminian A*, Nissen SE. Response to Comment On Aminian et al. Cardiovascular Outcomes in Patients With Type 2 Diabetes and Obesity: Comparison of Gastric Bypass, Sleeve Gastrectomy, and Usual Care. *Diabetes Care* 2021;44:2552-2563. *Diabetes Care*. 2022;45(5):e101.

13. *Aminian A*, Nissen SE. Association of Bariatric Surgery With Cancer Risk and Mortality-Reply. *JAMA* 2022;328:1646.

Abstract Presentations

- Podium Presentation at the Annual Meeting of *American Surgical Association (ASA)*
 - Five times: 2024, 2021, 2020, 2017, 2016
- Late-breaking Research Presentation at the *European Society of Cardiology (ESC) Congress*
 - Twice: 2021, 2019
- Podium Presentation at the Top-10 Papers session at the *Obesity Week Annual Congress*
 - Five times: 2019, 2018, 2017, 2014, 2013
- Podium Presentation at the Top-10 Papers session at the World Congress of *International Federation for the Surgery of Obesity (IFSO)*
 - Three times: 2022, 2018, 2014

SELECTED FROM >250 ABSTRACT PRESENTATIONS:

1. **Aminian A**, Romero-Talamas H, Batayyah E, Cetin D, Kirwan JP, Kashyap S, Brethauer SA, Schauer PR. Risk prediction of complications of metabolic syndrome before and 6-years after gastric bypass. Top 10 Research at the Obesity Week Annual Congress; Atlanta, GA 2013
2. Brethauer SA, **Aminian A**, Batayyah E, Romero-Talamas H, Shimizu H, Zelisko A, Heneghan HM, Chand B, Schauer PR. Can diabetes be surgically cured? Long term metabolic effects of bariatric surgery in obese patients with type 2 diabetes mellitus. 133rd Annual Meeting of American Surgical Association; Indianapolis, IN 2013
3. **Aminian A**, Brethauer SA, Schauer PR. Development of a sleeve gastrectomy risk calculator. Top 10 Research at the Obesity Week Annual Congress; Boston, MA 2014
4. **Aminian A**, Daigle CR, Kirwan JP, Burguera B, Kashyap SR, Brethauer SA, Schauer PR. Outcomes of bariatric surgery in type 2 diabetic patients with diminished pancreatic secretory reserve. Top Poster at the Obesity Week Annual Congress; Boston, MA 2014
5. Mosinski D, **Aminian A**, Batayyah E, Romero-Talamas H, Daigle C, Dan O, Huang H, Mulya A, Scelsi A, Schauer PR, Brethauer SA, Kirwan J: Roux-en-Y gastric bypass surgery increases insulin secretion in Zucker diabetic fatty rats. Obesity Week Annual Congress; Boston, MA 2014
6. **Aminian A**, Shoar S, Khorgami Z, Augustin T, Schauer PR, Brethauer SA. Safety of one-step conversion of gastric band to sleeve: A comparative analysis of >11,000 cases. Top 10 Research at the 19th World Congress of International Federation for the Surgery of Obesity (IFSO); Montreal, Canada 2014
7. Schauer PR, Bhatt DL, Kirwan JP, Wolski K, Brethauer SA, Navaneethan SD, **Aminian A**, Pothier CE, Kim ES, Nissen SE, Kashyap SR. Effect of bariatric surgery vs. intensive medical therapy on long-term glycemic control and complications of diabetes: 3-year STAMPEDE trial results. Late Breaking Clinical Trial at the 63rd Annual Scientific Sessions of American College of Cardiology; Washington, DC 2014
8. **Aminian A**, Mulya A, Navaneethan S, Schauer P, Kirwan J, Brethauer S. Gastric bypass surgery regulates gene expression of promoting factors of diabetic nephropathy in diabetic fatty rats. Best Poster at the Obesity Week Annual Congress; Los Angeles, CA 2015
9. **Aminian A**, Brethauer SA, Andalib A, PUNCHAI S, Mackey J, Rodriguez J, Rogula T, Kroh M, Schauer PR. Can sleeve gastrectomy “cure” diabetes? Long-term metabolic effects of sleeve gastrectomy in patients with type 2 diabetes. 136th Annual Meeting of American Surgical Association; Chicago, IL 2016
10. Schauer PR, Bhatt DL, Kirwan JP, Wolski K, **Aminian A**, Brethauer SA, Navaneethan SD, Singh R, Pothier CE, Nissen SE, Kashyap SR. Bariatric surgery vs. intensive medical therapy for long-term glycemic control and complications of diabetes: Final 5-year STAMPEDE trial results. 65th Annual Scientific Sessions of American College of Cardiology; Chicago, IL 2016

11. **Aminian A**, Nor Hanipah Z, PUNCHAI S, Mackey J, Brethauer S, Schauer PR. Long-Term Effects of Bariatric Surgery in Patients with Insulin-Treated Type 2 Diabetes: 44% at Glycemic Target without Insulin use. Top 10 Research at the Obesity Week Annual Congress; Washington, DC 2017
12. **Aminian A**, Clemence S, Alberts J, Schauer PR, Brethauer SA. Bariatric Surgery Decision-Making Calculator: A Novel Mobile App for Evidence-Based Clinical Practice. Obesity Week Annual Congress; Washington, DC 2017
13. **Aminian A**, Brethauer SA, Andalib A, Nowacki AS, Jimenez A, Corcelles R, Hanipah ZN, PUNCHAI S, Bhatt DL, Kashyap SR, Burguera B, Lacy AM, Vidal J, Schauer PR. Individualized Metabolic Surgery Score: Procedure Selection Based on Diabetes Severity. 137th Annual Meeting of American Surgical Association; Philadelphia, PA 2017
14. **Aminian A**, Aleassa EM, Bhatt DL, Tu C, Khorgami Z, Schauer PR, Brethauer SA. Bariatric surgery is associated with a lower rate of death after myocardial infarction and stroke: A nationwide study. Top 10 Research at the World Congress of International Federation for the Surgery of Obesity (IFSO); Dubai, UAE 2018
15. Aleassa EM, Khorgami Z, Tu C, Schauer PR, Brethauer SA, **Aminian A**. Bariatric Surgery Decreases Mortality of Congestive Heart Failure: A Nationwide Study. Top 10 Research at the Obesity Week Annual Congress; Nashville, TN 2018
16. **Aminian A**, Zajichek A, Arterburn DE, Wolski KE, Mcerlean E, Brethauer SA, Schauer PR, Kattan MW, Nissen SE. Cardiovascular outcomes in patients with type 2 diabetes and obesity: Comparison of metabolic surgery versus usual care. Late Breaking Research at the European Society of Cardiology (ESC) Congress; Paris, France 2019
17. **Aminian A**, Zajichek A, Arterburn DE, Brethauer SA, Nissen SE, Schauer PR, Kattan MW. Individualized Diabetes Complications Risk Scores: Future Risk of Diabetes End-Organ Complications with and without Metabolic Surgery. Top 10 Research at the Obesity Week Annual Congress; Las Vegas, NV 2019
18. **Aminian A**, Zajichek A, Wolski KE, Brethauer SA, Schauer PR, Kattan MW, Nissen SE. How Much Weight Loss Is Required For Cardiovascular Benefits? Insights from A Metabolic Surgery Matched Cohort Study. Accepted for presentation at the 140th Annual Meeting of American Surgical Association; 2020 (cancelled due to COVID-19 pandemic)
19. **Aminian A**, Kashyap SR, Wolski KE, Brethauer SA, Kirwan JP, Nissen SE, Bhatt DL, Schauer PR. Patient-reported Outcomes After Metabolic Surgery Versus Medical Therapy for Diabetes: Insights From the STAMPEDE Randomized Trial. 141st Annual Meeting of American Surgical Association; Virtual 2021

CLINICAL ACCOMPLISHMENTS

- 18 years of surgical experience after general surgery residency
- Performing 150-200 primary and revisional (complex) bariatric procedures each year at the Cleveland Clinic Main Campus with excellent outcomes