

CURRICULUM VITAE
The Johns Hopkins University School of Medicine

Dilhana S. Badurdeen, MBBS, M.D.

March 24, 2021

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

2017-present Assistant Professor of Medicine, Division of Gastroenterology, Johns Hopkins

Personal Data

Division of Gastroenterology
Johns Hopkins University
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Education and Training

Doctoral/graduate

2007 MBBS, Manipal College of Medical Sciences, Pokhara, Nepal

Postdoctoral

2006 Internship, Surgery, Kasturba Hospital, Manipal, India
2007 Internship, Internal Medicine, Kasturba Hospital, Manipal, India
2008 - 2011 Residency, Internal Medicine, Howard University Hospital, Washington, DC
2012 - 2015 Fellowship, Gastroenterology, Howard University Hospital, Washington, DC
2017 American Gastroenterological Society (AGA), Women's Leadership Program
2019 Emerging Women's Leadership Program, Johns Hopkins University, Baltimore

Professional Experience

2011-2012 Hospitalist Medstar Montgomery medical Center, Olney, MD
2015-2016 Assistant Professor of Medicine, Division of Gastroenterology, Howard University Hospital
2017-present Assistant Professor of Medicine, Division of Gastroenterology, Johns Hopkins University School of
Medicine, Baltimore, MD

PUBLICATIONS:

Original Research * first and/or corresponding author

1. Laiyemo AO, Doubeni C, Sanderson AK, Pinsky PF, **Badurdeen DS**, Doria-Rose VP, Marcus PM, Schoen RE, Lanza E, Schatzkin A, Cross AJ. Likelihood of missed and recurrent adenomas in the proximal versus the distal colon. *Gastrointest Endosc.* 2011 Aug;74(2):253-61.
2. **Badurdeen DS***, Umar NA, Begum R, Sanderson AK 2nd, Jack M, Mekasha G, Kwagyan J, Smoot DT, Laiyemo AO. Timing of procedure and compliance with outpatient endoscopy among an underserved population in an inner-city tertiary institution. *Ann Epidemiol.* 2012 Jul;22(7):531-5. PMID:22571991
3. Laiyemo AO, Doubeni C, **Badurdeen DS**, Murphy G, Marcus PM, Schoen RE, Lanza E, Smoot DT, Cross AJ. Obesity, weight change, and risk of adenoma recurrence: a prospective trial. *Endoscopy.* 2012 Sep;44(9):813-8. PubMed PMID: 22926666; NIHMSID: NIHMS427627; PubMed Central PMCID: PMC3910085.
4. **Badurdeen DS***, Nayani a, Kibreab A, Brim H, Ashktorab H, Lee EL, Sanderson AK, Scott VF, Howell CD, Laiyemo AO, Colorectal Cancer Disparities Between Blacks and Hispanics: Healthcare Utilization Versus Biological Differences, *Gastroenterology*, Volume 148, Issue 4, Supplement 1, 2015, Page S-596, ISSN 0016-5085, doi.org/10.1016/S0016-5085(15)32013-8.
5. Laiyemo AO, **Badurdeen D**, Kibreab A, Scott VF, Lee EL, Brim H, Ashktorab H, Sex Disparity in Colorectal Cancer Burden Among Us Adults: The Role of Colon Cancer Screening Compliance, *Gastrointestinal Endoscopy*, Volume 85, Issue 5, Supplement, 2017, Pages AB390-AB391, ISSN 0016-5107, doi.org/10.1016/j.gie.2017.03.906.
6. Hashemipour R, **Badurdeen D**, Kibreab A, Scott V, Lee E, Brim H, Ashktorab H, Laiyemo A. Correlation Between Compliance With Cervical Cancer Screening and Colorectal Cancer Screening Among a Nationally Representative Sample of U.S. Adults, *American Journal of Gastroenterology*: October 2017 - Volume 112 - Issue - p S625
7. Brim H, Shahnazi A, Nourai M, **Badurdeen D**, Laiyemo AO, Haidary T, Afsari A, Ashktorab H. Gastrointestinal Lesions in African American Patients With Iron Deficiency Anemia. *Clin Med Insights Gastroenterol.* 2018 May 18;11:1179552218778627. doi: 10.1177/1179552218778627. eCollection 2018.
8. Shahnazi A, **Badurdeen D**, Laiyemo AO, Nourai M, Brim H, Wessly P, Geramfard S, Afsari A, Page N, Ashktorab H. Obesity and Pancreatic Cysts in African American Patients. *Cureus.* 2018 Aug 20;10(8):e3160. doi: 10.7759/cureus.3160.
9. Flaubert FM, **Badurdeen DS**, Medeiros RCL, Simplicio GTX, Khashab MA, Kalloo AN, Quadros LG, Neto MG, Kumbhari V, Campos JM, Never lose suction: modified endoscopic vacuum therapy as primary treatment for acute esophagogastric anastomosis fistulas., *Gastrointestinal Endoscopy*, Volume 87, Issue 6, Supplement, 2018, Pages AB511-AB512, ISSN 0016-5107, doi.org/10.1016/j.gie.2018.04.2112.
10. Fayad L, Oleas R, Barola S, Hill C, Badurdeen DS, Dunlap MK, Schweitzer M, Kalloo AN, Khashab MA, Kumbhari V, Transoral Outlet Reduction for the Management of Weight Regain and Dumping Syndrome after ROUX-EN-Y Gastric Bypass, *Gastroenterology*, Volume 154, Issue 6, Supplement 1, 2018, Page S-1293, ISSN 0016-5085, doi.org/10.1016/S0016-5085(18)34238-0
11. Fayad L, Adam A, Schweitzer M, Cheskin LJ, Ajayi T, Dunlap M, **Badurdeen DS**, Hill C, Paranjani N, Lalezari S, Kalloo AN, Khashab MA, Kumbhari V. Endoscopic sleeve gastropasty versus laparoscopic sleeve gastrectomy: a case-matched study. *Gastrointest Endosc.* 2019 Apr;89(4):782-788. doi: 10.1016/j.gie.2018.08.030. Epub 2018 Aug 25.
12. Fayad L, Cheskin LJ, Adam A, **Badurdeen DS**, Hill C, Agnihotri A, Dunlap M, Simsek C, Khashab MA, Kalloo AN, Kumbhari V. Endoscopic sleeve gastropasty versus intragastric balloon insertion: efficacy, durability, and safety. *Endoscopy.* 2019 Jun;51(6):532-539. doi: 10.1055/a-0852-3441. Epub 2019 Mar 6.
13. Fayad L, Simsek C, Raad M, **Badurdeen D**, Singh V, Ngamruengphong S, Kalloo AN, Khashab MA, Trindade A, Benias PC, Canto MI, Kumbhari V, Cryoballoon ablation for gastric pouch and/or outlet reduction in patients with weight regain post roux-en-y gastric bypass, *Gastrointestinal Endoscopy*, Volume 89, Issue 6, Supplement, 2019, Pages AB275-AB276, ISSN 0016-5107, doi.org/10.1016/j.gie.2019.03.324.
14. Simsek C, Ichkhanian Y, Fayad L, Al-Sabban AM, Steele KE, Lamond K, Schweitzer M, Shah T, Vosoughi K, Gandsas A, Hedjoudje A, **Badurdeen D**, Ngamruengphong S, Singh V, Khashab MA, Kalloo AN, Kumbhari V, Secured lumen-apposing fully covered metallic stents for stenoses in post-bariatric surgery patients: feasibility, efficacy, and safety, *Gastrointestinal Endoscopy*, Volume 89, Issue 6, Supplement, 2019, Pages AB278-AB279, ISSN 0016-5107, doi.org/10.1016/j.gie.2019.03.331.

15. Hedjoudje A, Dayyeh BA, Cheskin LJ, Adam A, Neto MG, **Badurdeen D**, Morales JG, Sartoretto A, Nava GL, Vargas E, Zhixian S, Fayad L, Farha J, Khashab MA, Kalloo AN, Alqahtani AR, Thompson C, Kumbhari V. Efficacy and Safety of Endoscopic Sleeve Gastroplasty: a Systematic Review and Meta-Analysis. *Clin Gastroenterol Hepatol*. 2019 Aug 20. pii: S1542-3565(19)30897-3. doi: 10.1016/j.cgh.2019.08.022.
16. Laiyemo AO, Hashemipour R, **Badurdeen D**, Kibreab A, Scott VF, Lee EL, Brim H, Ashktorab H. Mo1068 Association of Healthcare Quality Rating By Patients With Adherence to Colon Cancer Screening Guidelines Among US Adults, *Gastrointestinal Endoscopy*, Volume 83, Issue 5, Supplement, 2016, Page AB449, ISSN 0016-5107, doi.org/10.1016/j.gie.2016.03.579.
17. Cheskin LJ, Hill C, Adam A, Fayad L, Dunlap M, **Badurdeen D**, Koller K, Bunyard L, Frutchey R, Al-Grain H, Kahan S, Hedjoudje A, Khashab MA, Kalloo AN, Kumbhari V. Endoscopic sleeve gastroplasty versus high-intensity diet and lifestyle therapy: a case-matched study. *Gastrointest Endosc*. 2019 Sep 27. pii: S0016-5107(19)32296-5. doi: 10.1016/j.gie.2019.09.029
18. Barrichello SA, **Badurdeen D**, Hedjoudje A, Fayad L, Neto MG, Veinert A, Grecco E, Souza TF, Simsek C, Khashab MA, Kalloo AN, Kumbhari V, Sa1970 Does the intra-gastric balloon increase reflux despite weight loss?, *Gastrointestinal Endoscopy*, Volume 89, Issue 6, Supplement, 2019, Pages AB264-AB265, ISSN 0016-5107, doi.org/10.1016/j.gie.2019.03.301.
19. Runge TM, Yang J, Fayad L, Itani MI, Dunlap M, Koller K, Mullin GE, Simsek C, **Badurdeen D**, Kalloo AN, Khashab MA, Kumbhari V Anatomical Configuration of the Stomach Post-Endoscopic Sleeve Gastroplasty (ESG)-What Are the Sutures Doing? *Obes Surg*. 2019 Dec 20 PubMed PMID: 31858398
20. Barrichello S, **Badurdeen D***, Hedjoudje A, Neto MG, Yance R, Veinert A, Fayad L, Simsek C, Grecco E, de Souza TF, Teixeira C, Nunes GC, Kalloo AN, Khashab MA, Kumbhari V. The Effect of the Intra-gastric Balloon on Gastric Emptying and the DeMeester Score. *Obes Surg*. 2020 Jan;30(1):38-45. doi: 10.1007/s11695-019-04039-4.
21. Itani MI, Farha J, Marrache MK, Fayad L, **Badurdeen D**, Kumbhari V. The Effects of Bariatric Surgery and Endoscopic Bariatric Therapies on GERD: An Update. *Curr Treat Options Gastroenterol*. 2020 Jan 20. doi: 10.1007/s11938-020-00278-y.
22. Fayad L, Trindade AJ, Benias PC, Simsek C, Raad M, **Badurdeen D**, Hill C, Brewer Gutierrez OI, Fayad G, Dunlap M, Kalloo AN, Khashab MA, Thompson CC, Canto M, Kumbhari V. Cryoballoon ablation for gastric pouch and/or outlet reduction in patients with weight regain post Roux-en-Y gastric bypass. *Endoscopy*. 2020 Mar;52(3):227-230. doi: 10.1055/a-1086-3433.
23. Canto MI, Gutierrez OIB, Dbouk M, Sloan JA, Stein E, Assis D, Abdi T, Chowdhury R, Siddiqui AA, Ngamruengphong S, **Badurdeen D**, Gupta E, Mullin G, Kumbhari V, Khashab M, Kalloo AN. Outpatient transoral incisionless fundoplication (tif 2.0) is safe and effective for treatment of proven gastroesophageal reflux disease (gerd) and laryngopharyngeal reflux disease (lprd): a single center prospective cohort study, *Gastrointestinal Endoscopy*, Volume 91, Issue 6, Supplement, 2020, Page AB120, ISSN 0016-5107, doi.org/10.1016/j.gie.2020.03.1025.
24. de Moura DTH, **Badurdeen DS**, Ribeiro IB, Leite EFMDSD, Thompson CC, Kumbhari V. Perspectives toward minimizing the adverse events of endoscopic sleeve gastroplasty. *Gastrointest Endosc*. 2020 Jun 17:S0016-5107(20)34463-1. doi: 10.1016/j.gie.2020.06.038.
25. Farha J, McGowan C, Hedjoudje A, Itani MI, Abbarh S, Simsek C, Ichkhanian Y, Vulpis T, James TW, Fayad L, Khashab MA, Oberbach A, **Badurdeen D**, Kumbhari V. Endoscopic sleeve gastroplasty: suturing the gastric fundus does not confer benefit. *Endoscopy*. 2020 Aug 10. doi: 10.1055/a-1236-9347.
26. **Badurdeen D***, Hedjoudje A, Itani M, Fayad L, Farha J, Dunlap M, Cheskin L, Schweitzer M, Koller K, Hartman C, Oberbach A, Kashab MA, Kalloo A, Kumbhari V. Building an endobariatric program: lessons learned. *Endosc Int Open*. 2020 Sep;8(9):E1185-E1193. doi: 10.1055/a-1198-4598.
27. **Badurdeen D***, Hoff AC, Hedjoudje A, Adam A, Itani MI, Farha J, Abbarh S, Kalloo AN, Khashab MA, Singh V, Oberbach A, Neto MG, Barricello S, Kumbhari V. Endoscopic sleeve gastroplasty plus liraglutide versus endoscopic sleeve gastroplasty alone for weight loss. *Gastrointest Endosc*. 2020 Oct 16:S0016-5107(20)34880-X. doi: 10.1016/j.gie.2020.10.016.
28. Farha J, Gebran S, Itani MI, Simsek C, Abbarh S, Lopez A, Haq Z, Koller K, Dunlap M, Adam A, Khashab MA, Oberbach A, Schweitzer M, **Badurdeen D**, Kumbhari V. Transoral Outlet Reduction (TORE): Could Additional Sutures Cause More Harm? *Endoscopy*. 2020 Nov 30. doi: 10.1055/a-1325-4324.
29. Farha J, Abbarh S, Haq Z, Itani MI, Oberbach A, Kumbhari V, **Badurdeen D***. Endobariatrics and Metabolic Endoscopy: Can We Solve the Obesity Epidemic with Our Scope? *Curr Gastroenterol Rep*. 2020 Nov 17;22(12):60. doi: 10.1007/s11894-020-00798-8.
30. Itani MI, Farha J, Sartoretto A, Abbarh S, **Badurdeen D**, de Moura DTH, Kumbhari V. Endoscopic sleeve

gastroplasty with argon plasma coagulation: A novel technique. *J Dig Dis.* 2020 Nov;21(11):664-667. doi: 10.1111/1751-2980.12939.

31. Fayad L, Itani MI, Farha J, Schweitzer M, **Badurdeen D**, Khashab MA, Kalloo AN, Kumbhari V, Sa1957 Endoscopic bariatric therapies associated with lower rate of adverse events and length of stay than laparoscopic bariatric therapies, *Gastrointestinal Endoscopy*, Volume 91, Issue 6, Supplement, 2020, Pages AB223-AB224, ISSN 0016-5107, doi.org/10.1016/j.gie.2020.03.1753.
32. **Badurdeen D***, Hoff AC, Barrichello S, Hedjoudje A, Itani MI, Farha J, Abbarh S, Adam A, Singh VK, Ngamruengphong S, Oberbach A, Khashab MA, Neto MG, Kumbhari V. Efficacy of Liraglutide to Prevent Weight Regain After Retrieval of an Adjustable Intra-gastric Balloon-a Case-Matched Study. *Obes Surg.* 2020 Nov 19. doi: 10.1007/s11695-020-05117-8.
33. Itani MI, Oberbach A, **Badurdeen D**, Enderle MD, Hahn H, Schlichting NS, Farha J, Fayad L, Khashab MA, Kalloo AN, Kumbhari V, Sa1953 Gastric mucosal devitalization (gmd): a dose-finding study, *Gastrointestinal Endoscopy*, Volume 91, Issue 6, Supplement, 2020, Page AB221, ISSN 0016-5107, doi.org/10.1016/j.gie.2020.03.1749.
34. **Badurdeen D***, Fayad L, Hedjoudje A, Itani MI, Farha J, Simsek C, Kalloo AN, Khashab MA, Neto MG, Alqahtani A, Kumbhari V, Current perspectives of bariatric endoscopists on endoscopic sleeve gastroplasty (ESG), *Gastroenterology*, Volume 158, Issue 6, Supplement 1, 2020, Pages S-1523-S-1524, ISSN 0016-5085, doi.org/10.1016/S0016-5085(20)34488-7.
35. Farha J, Gebran S, Itani MI, Simsek C, Lopez AC, Hedjoudje A, Ichkhanian Y, Badurdeen D, Kalloo AN, Khashab MA, Oberbach A, Kumbhari V, Transoral outlet reduction (tore): should more than one purse-string suture be used?, *Gastroenterology*, Volume 158, Issue 6, Supplement 1, 2020, Page S-1577, ISSN 0016-5085, [https://doi.org/10.1016/S0016-5085\(20\)34625-4](https://doi.org/10.1016/S0016-5085(20)34625-4).
36. Farha J, Simsek C, Itani MI, Lopez AC, Bejjani M, Kadhim A, Bekhit J, Ichkhanian Y, **Badurdeen D**, Huang Y, Khashab MA, Kalloo AN, Kumbhari V, Comparing the contribution of international medical graduates to united states medical graduates in the field of gastroenterology on the east and west coast, *Gastroenterology*, Volume 158, Issue 6, Supplement 1, 2020, Page S-262, ISSN 0016-5085, doi.org/10.1016/S0016-5085(20)31335-4.
37. Farha J, Gebran A, Itani MI, Simsek C, Lopez AC, Hedjoudje A, Ichkhanian Y, **Badurdeen D**, Kalloo AN, Khashab MA, Oberbach A, Kumbhari V, Sa1954 Does the magnitude of weight regain after roux-en-y gastric bypass predict response to transoral outlet reduction (TORE)?, *Gastrointestinal Endoscopy*, Volume 91, Issue 6, Supplement, 2020, Pages AB221-AB222, ISSN 0016-5107, doi.org/10.1016/j.gie.2020.03.1750.
38. Haq Z, Itani MI, Zhang L, Dinary F, Farha J, Abbarh S, Akshintala V, Koller K, Jovani M, Hedjoudje A, Ngamruengphong S, Oberbach A, **Badurdeen D**, Kumbhari V. The Utility of EndoFLIP for Measuring Gastrojejunal Anastomosis Diameter and Distensibility in Patients Experiencing Weight Regain Post Roux-en-Y Gastric Bypass. *Obes Surg.* 2021 Mar 1. doi: 10.1007/s11695-021-05302-3.
39. Hedjoudje A, Farha J, Cheurfa C, Grabar S, Weiss E, **Badurdeen D**, Kumbhari V, Prat F, Levy P, Piton G. Serum phosphate is associated with mortality among patients admitted to ICU for acute pancreatitis. *United European Gastroenterol J.* 2021 May 5.

Review Articles [RA] - * first and/or corresponding author

1. **Badurdeen DS***, Lamond K, Gandsas A, Kumbhari V. Endoscopic strategies for the treatment of post-bariatric surgery leaks and fistulas. *Tech Gastrointest Endosc.* 2019;21:71-82
2. **Badurdeen D***, Dunlap M, Schweitzer M, Kumbhari V, MD Aspiration Therapy – An Emerging Endoscopic Device for Treatment of Obesity. *Bariatric Times*, Feb 2019

Case Reports [CR] - * first and/or corresponding author

1. **Badurdeen D***; Burnside, Clinton; Umar, Nisser; Momodu, Jack; Mekasha, Getachew; Smoot, Duane; Laiyemo, Adeyinka. Is There a Seasonal Variation in Compliance to Out-patient Endoscopy?, *American Journal of Gastroenterology*: October 2011 - Volume 106 - Issue - p S544
2. **Badurdeen D***; Moghadam SF, Alkhalloufi K, Sanderson A, Hoque M, Laiyemo A. A Case of Mycobacterium Avium Complex Cholangiopathy, *American Journal of Gastroenterology*: October 2011 - Volume 106 - Issue - p S233-S234
3. **Badurdeen D***, Moghadam SF, Smoot D, Laiyemo A, Yao R. Burkitt Lymphoma Presenting as Intussusception in an Adult, *American Journal of Gastroenterology*: October 2011 - Volume 106 - Issue - p S272

4. Moghadam SF, **Badurdeen D**, Smoot D, Begum R. Acute Cholecystitis at Initial Presentation of Polyarteritis Nodosa, American Journal of Gastroenterology: October 2011 - Volume 106 - Issue - p S219
5. **Badurdeen D***; Tesfaye B, Mekasha G, Jack M, Laiyemo A. Colonic Schistosomiasis: The Great Masquerade of Inflammatory Bowel Disease, American Journal of Gastroenterology: October 2013 - Volume 108 - Issue - p S402
6. **Badurdeen D***; Girgis M, Sanderson A, Laiyemo A. Coxsackie Virus: An Unusual Cause of Pancreatitis, American Journal of Gastroenterology: October 2013 - Volume 108 - Issue - p S88
7. Tesfaye B, **Badurdeen D**, Arhinful J, Mekasha G. Strongyloides Colitis: A Lethal Mimic of Ulcerative Colitis, American Journal of Gastroenterology: October 2014 - Volume 109 - Issue - p S402
8. **Badurdeen D***; Brown K, Sanderson A, Laiyemo A. Black Esophagus, American Journal of Gastroenterology: October 2014 - Volume 109 - Issue - p S248
9. **Badurdeen D***; Alkhaloufi K, Kibreab A, Begum R. Acute Pancreatitis and Sickle Cell Hepatopathy in a Pregnant Patient, American Journal of Gastroenterology: October 2014 - Volume 109 - Issue - p S313
10. Musa A, Rahul N, Paez M, **Badurdeen D***. Retroperitoneal Sarcoma Presenting as a Liver Mass; A Diagnostic Dilemma, American Journal of Gastroenterology: October 2016 - Volume 111 - Issue - p S913
11. Arhinful JS, **Badurdeen DS**, Horwitz S, Brown K. Helicobacter pylori-Negative Gastric MALT Lymphoma: A Treatment Dilemma, American Journal of Gastroenterology: October 2015 - Volume 110 - Issue - p S541
12. Amin R, Paez M, Dagne R, Afreen S, **Badurdeen D**. A Rare Case Report of Hepatic Kaposi Sarcoma, American Journal of Gastroenterology: October 2016 - Volume 111 - Issue - p S905
13. Afreen S, Deonarine U, Amin R, **Badurdeen D**, Laiyemo A. A Rare Case of Large Abdominal Wall Hematoma Following Paracentesis in a Cirrhotic Patient, American Journal of Gastroenterology: October 2016 - Volume 111 - Issue - p S1349
14. Hoff AC, Barrichello SA, Neto MG, Grecco E, Fittipaldi-Fernandez RJ, Hoff JC, **Badurdeen D**, Kumbhari V, Sa1935 induced hyperinflation: using air for upward adjustment in the spat3 intragastric balloon and creating a hybrid device, Gastrointestinal Endoscopy, Volume 91, Issue 6, Supplement, 2020, Page AB211, ISSN 0016-5107, doi.org/10.1016/j.gie.2020.03.1280.

Other Publications:

Letters, Correspondence - * first and/or corresponding author

1. **Badurdeen DS***, Fayad L, Kalloo AN, Kumbhari V. The Forgotten Fundus-Response to - Obesity Treatment with Botulinum Toxin-A Is Not Effective: a Systematic Review and Meta-analysis. Obes Surg. 2018 Jan;28(1):262-263.

Editorials - * first and/or corresponding author

1. **Badurdeen DS***, Kumbhari V. Endoscopic sleeve gastropasty and its application to China. J Dig Dis. 2017 Oct;18(10):551-555.
2. Gomez, V, **Badurdeen D**, Kumbhari V. Rejuvenate and repopulate: Renaissance of the duodenum. Gastrointest Endosc 2021

Methods and Techniques [MT] - * first and/or corresponding author

1. Farha J, Fayad L, Kadhim A, Şimşek C, Badurdeen DS, Ichkhanian Y, Itani MI, Kalloo AN, Khashab MA, **Kumbhari V***. Gastric Per-Oral Endoscopic Myotomy (G-POEM) for the Treatment of Gastric Stenosis Post-Laparoscopic Sleeve Gastrectomy (LSG). Obes Surg. 2019 Jul;29(7):2350-2354.

Book Chapters, Monographs

1. **Badurdeen DS**, Kumbhari V. Zundel N. Intragastric Balloon history of the book Intragastric Balloon for Weight Management: A Practical Guide. 1st edition. Josemberg CM, Usuy EN, Galvão Neto MP, Silva LB, editors. Switzerland: Springer International Publishing AG, Cham; 2019. Chapter 1, Intra-gastric Balloon History.

Other media

1. **Badurdeen D**. Balloon weight loss program: Q &A. Published 2021. (https://www.youtube.com/watch?v=30mbr_GK6tg&t=5s)

2. **Badurdeen D.** Transoral gastric outlet reduction. Published 2021
<https://www.youtube.com/watch?v=v5Sb3DF041A>
3. **Badurdeen D.** What is endoscopic sleeve gastropasty and how does it work? Published 2021
<https://www.youtube.com/watch?v=JOEeYortxR0&t=4s>

FUNDING

Extramural Sponsorship

01/01/2021 – 06/01/2021

Multi-center ESG Randomized Interventional Trial (MERIT-Trial)

IRB00159493

Apollo Endosurgery

\$411,398.06

Principal investigator

Percent effort: 6.47% for 6 months

09/01/2020 – present

Gastric Mucosal Devitalization as a Primary Obesity Therapy

IRB00089675

\$ 170,133.21

Role: Principal Investigator

Total Study Effort: 10%

10/23/2018 – 12/31/2020

Prospective Registry for Trans-Orifice Endoscopic Suturing Applications Badurdeen (PI)

\$14,722.01

American Gastroenterological Association (AGA)

Johns Hopkins University

Research Extramural Funding – Previous

None

Educational Extramural Funding

None

Clinical Extramural Funding

None

System Innovation or Quality Improvement Extramural Funding

None

INTRAMURAL Funding

None

CLINICAL ACTIVITIES

Clinical Focus

Dr Badurdeen leads the Johns Hopkins Endoscopic Weight Loss Program and treats patients with obesity and obesity associated disease such as gastroesophageal reflux disease (GERD), metabolic syndrome and nonalcoholic fatty liver disease (NAFLD). In addition to being Board certified in Internal Medicine and Gastroenterology/Hepatology, she is also board certified in Obesity Medicine. This allows her the unique opportunity to combine endoscopic weight loss therapy with medications, diet and lifestyle to improve and optimize outcomes. She is also actively developing minimally invasive novel endoscopic techniques to treat obesity and metabolic syndrome. These two areas of expertise have resulted in Dr Badurdeen representing the field at national conferences.

Medical, other state/government licensure

2008 – present Medical License, Sri Lanka
2012 – present Maryland# D72637
2012 – present Washington DC MD040842
2013 – present Virginia #0101253332

Boards certification

2011 American Board of Internal Medicine
2015 American Board of Internal Medicine – Gastroenterology
2018 American Board of Obesity Medicine (ABOM)

Specialty certification

2020 Basic Life Support (BLS)
2020 Advanced Cardiac Life Support (ACLS)

Clinical (Service) Responsibilities

2017 Gastroenterology inpatient/consult service Johns Hopkins Bayview and Johns Hopkins Hospital

2018 – present Clinical: 80%

Gastroenterology clinic 1.5 days/week

Dr Badurdeen sees patients in the general gastroenterology clinic at Knoll North, in Howard county and is responsible for supervising and teaching Gastroenterology fellows and residents.

Weight loss clinic ½ day /week

Dr Badurdeen sees new and return patients with obesity and metabolic disease and complex post bariatric surgery patients with complications such as post laparoscopic sleeve gastrectomy (LSG) GERD, dumping syndrome, abdominal pain and weight regain.

Endoscopic Bariatric Therapy – 1 day/week

Primary Endoscopic bariatric therapy (EBT) -Placement and removal of intra-gastric balloons (IGB), Endoscopic Sleeve Gastroplasty (ESG), Aspiration therapy and Intra-gastric Botox for the treatment of obesity. Treatment of weight regain – Transoral Outlet Reduction (TORe), Argon Plasma Coagulation (APC) for outlet reduction, Revisional Endoscopic Sleeve Gastroplasty (R-ESG). Management of post bariatric Surgery Complications – Over sewing of gastro-jejunal anastomosis (GJA) ulcers, Closure of gastro-gastric fistulas.

General Gastroenterology procedures- 1 day/week

Dr Badurdeen performs routine upper endoscopy and colonoscopy procedures at Knoll North ambulatory surgical center (ASC) in Howard county.

Inpatient gastroenterology and endoscopy attending

Responsible for seeing inpatients and gastroenterology consult patients, and performing endoscopy procedures on all inpatients.

Clinical Draw

01/17–Present Dr Badurdeen sees patients from across the country and overseas for general gastroenterology second opinions and for the treatment of obesity and post bariatric surgery complications. She has seen patients from Dubai, Abu Dhabi, Saudi Arabia, Kuwait, India, Bangladesh, Qatar, Egypt, Bermuda, Virgin Islands, as well as others.

Membership in or examiner for specialty board

None

Clinical Program Building / Leadership

01/2021 – Present The endoscopic bariatric therapy program is unique in that it offers patients that have struggled with obesity, but do not desire or do not qualify for bariatric surgery an option to treat obesity and associated complications. The program is structured around a multidisciplinary approach including a nutritionist, psychologist, exercise physiologist, bariatric endoscopist, obesity medicine specialist, clinical nurse coordinator, and dedicated administrative staff to ensure seamless collaboration between clinicians and researchers, ensuring that every patient receives personalized, comprehensive care before and after endoscopic weight loss procedures. This program has

acquired national and international recognition, with patients seeking care from all over the United States and collaboration with centers across the world.

Clinical Demonstration Activities to external audience, on or off campus

None

Development of nationally/internationally recognized clinical standard of care

None

EDUCATIONAL ACTIVITIES

Educational Focus

My areas of expertise are obesity, metabolic disease and endoscopic bariatric therapy. My current professional focus includes development of new and innovative techniques to treat obesity and metabolic disease in a minimally invasive fashion that is cost effective and acceptable to patients. My primary teaching roles include teaching medical students, residents and fellow's physical exam skills in gastroenterology and bariatric endoscopy and facilitating mastery of endoscopy for gastroenterology and advanced therapeutic fellows. Additionally, I have published YouTube videos and participated in webinars for physician and patient education.

Teaching

Classroom instruction

JHMI/Regional

2014 – 2016 Gastroenterology small groups, case discussion for medical students, Howard University Hospital Washington, DC

2018 Gastroenterology small groups, case discussion for medical students, John Hopkins University, Baltimore, MD

2021 Gastroenterology Fellows Didactics, Lecturer, Endoscopic Bariatric Therapy, Division of Gastroenterology, Johns Hopkins Hospital, Baltimore, MD

National None

International None

Clinical Instruction

JHMI/Regional

2015 – 2016 Gastroenterology Inpatient & Consult Service, Howard University Hospital, Washington DC

2017 – Present Gastroenterology Inpatient & Consult Service, Johns Hopkins University, Baltimore, MD

National None

International None

CME instruction

JHMI/Regional

9/2017 Topics in Gastroenterology and Hepatology 2017, "Management of Constipation" Johns Hopkins

9/2018 Topics in Gastroenterology and Hepatology 2018, "Abdominal pain in the Roux en Y Gastric Bypass patient" Johns Hopkins

10/2019 What's New in Bariatric Surgery "Endoscopic Management of post Sleeve Gastrectomy Stenosis" Anne Arundel Medical Center, Maryland

9/2019 Topics in Gastroenterology and Hepatology 2019, "Surgical and Endobariatric Recidivists" Johns Hopkins

3/2020 Gastroenterology and Hepatology, Viva La Vida, San Juan. Puerto Rico, "Losing Weight in 2020: Is There a Role for Pharmaceuticals?" Johns Hopkins

3/2020 Gastroenterology and Hepatology, Viva La Vida, San Juan. Puerto Rico, "Is There Still a Role for Conservative Management of Weight Loss?"

2/2021 Endoscopic Bariatric Therapy for Obesity, Grand Rounds Mercy Medical Center, Baltimore, Maryland

3/2021 Advances in Endoscopy, Gastroenterology and Hepatology, Washington DC, "Bariatric Endoscopy:

Are we there yet?" Johns Hopkins

National

- 4/2019 "Endoscopic Bariatric Therapy for Obesity" Society of Gastroenterology Nurses and Associates (SGNA), Portland, Oregon
- 7/2019 Webinar - Society of Gastroenterology Nurses and Associates (SGNA) webinar "Endoscopic Therapies for Obesity"
- 9/2019 Functional GI Disorders School and ACG / VGS / ODSGNA Regional Postgraduate Course "Endoscopic Therapies for Obesity" American College of Gastroenterology (ACG), Williamsburg, Virginia
- 5/2020 Pharmacotherapy in obesity: the new and the old, Digestive Disease Week 2020

International

None

Workshops/seminars

JHMI/Regional

- 5/2019 Division of Gastroenterology, Johns Hopkins University School of Medicine, Hopkins International Therapeutic Endoscopy Course (HITEC), Live endoscopy demonstration, Baltimore, MD

National

None

International

None

Mentoring

Post-doctoral Advisees /Mentees

- 2020 - present Mohammad Itani, MD - Post-doctoral fellow, Johns Hopkins Hospital
Mohammad Itani is responsible for coordinating her clinical trials. He has published 2 articles under Dr Badurdeen' s mentorship. He has matched into residency at Henry Ford Hospital, Detroit, Michigan starting in July 2021.
- 2020 – present Zaid Haq MD, Medical Resident, Bayview Medical Center
Zaid Haq has published 2 articles under Dr Badurdeen' s mentorship. He is applying to Gastroenterology fellowship in 2021
- 2020 – present Abdallah Hedjoudje MD is in his final year of his PhD. He has published one article under Dr Badurdeen' s mentorship.

Thesis committees

None

Educational Program Building / Leadership

None

Educational Demonstration Activities to external audiences, on or off campus

None

RESEARCH ACTIVITIES

Research Focus

Dr Badurdeen' s research focuses on both, translational and clinical research in Obesity and Metabolic disease. Her goal is to identify minimally invasive endoscopic bariatric therapies that mimic the weight loss and metabolic outcomes of bariatric surgery. This research has translated into a feasibility and safety study in humans. Additionally, she investigates the effect of combination therapy using endoscopic and medical therapy to achieve clinically significant outcomes.

Research Program Building / Leadership

2021- Present Bariatric Endoscopy Program

Dr Badurdeen leads the endoscopic bariatric therapy program for the Division of Gastroenterology. This program is unique in that it offers patients that do not qualify for surgery or do not want surgery an option to reach their weight loss goals and reverse metabolic disease such as Diabetes mellitus, hypertension and non-alcoholic fatty liver disease (NAFLD). Dr Badurdeen's success with endoscopic bariatric therapy has translated into several publications in collaboration with the department of surgery and the department of medicine.

Research Demonstration Activities

None

Inventions, Patents, Copyrights

None

Technology Transfer Activities

None

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

System Innovation Focus

None

System Innovation and Quality Improvement efforts within JHMI:

None

System Innovation and Quality Improvement efforts outside of JHMI:

None

System Innovation and Quality Improvement Program Building/Leadership:

None

Institutional Administrative Appointments

2020 - present Nomination Committee

2020 - present Marketing Committee

2021 – present Gastroenterology Clinical Research Working Group

Editorial Activities

Editorial Board Appointments

None

Journal Reviewer

2019 - Present American Journal of Gastroenterology

2019 - Present Endoscopy

2019 – Present Obesity Surgery

2021 - Present Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy

2021 – Present Therapeutic Advances in Gastrointestinal Endoscopy

Other peer review activities

None

Advisory Committees, Review Groups/Study Sections

2019 – Present American Gastroenterology Association (AGA) Diversity Committee

Professional Societies

2013 - Present Member, American College of Gastroenterology (ACG)
2013 - Present Member, American Gastroenterological Association (AGA)
2015 – Present Member American Society for Gastrointestinal Endoscopy (ASGE)
2019 – Present Member Association for Bariatric Endoscopy (ABE)
2019 – Present Member Women in Intervention Endoscopy (WIE)

Conference Organizer

None

Session Chair

National

5/2020 “Beginner's Guide to Endoscopic Bariatric Therapies” Digestive Disease Week 2020

5/2021 “Beginner’s Guide to Endoscopic Bariatric Therapies” Digestive Diseases Week

RECOGNITION

Invited Talks, Panels

03/2015 - Celiac Sprue Pathophysiology & Management, Department of Medicine Grand Rounds, Howard University Hospital, Washington DC

7/2019 Webinar – Inter American Society of Digestive Endoscopy (SIED) “Endoscopic Management of Bariatric Surgery Complications”

7/2019 Webinar - Society of Gastroenterology Nurses and Associates (SGNA) webinar “Endoscopic Therapies for Obesity”

10/2019 What’s New in Bariatric Surgery “Endoscopic Management of post Sleeve Gastrectomy Stenosis” Anne Arundel Medical Center, Maryland

01/2021 “Endoscopic Bariatric Therapy for Obesity”, Grand Rounds, Mercy Medical Center, Baltimore Maryland

2/2021 Webinar - Guatemalan Gastroenterology Association “Endoscopic Bariatric Therapy for Obesity”

Awards

1. 2011 - 1st place winner of the podium presentation at the American College of Physicians (ACP) meeting - Uniformed Services University of the Health Sciences, Bethesda, Maryland
2. 2011 - Awarded the Howard University Department of Medicine medal for research excellence
3. 2012 - American Association for the Study of Liver Disease (AASLD) and European Association for the Study of Liver Disease (EASL) – ‘Portal Hypertension and Variceal Hemorrhage Single topic conference Travel Award, Atlanta, Georgia
4. 2013 - Howard University Hospital GME Award for 'Outstanding Professionalism'
5. 2014 - Award for 'Most Outstanding Presentation' in the category of Translational and Clinical Sciences – Howard University Research day 2014