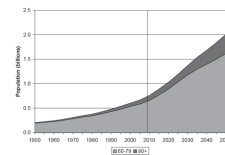




SAGA



SOCIETY FOR THE ADVANCEMENT OF GERIATRIC ANESTHESIA

Spring 2020

PRESIDENT'S CORNER

Recent impact of COVID-19 on clinical, educational and academic activities are discussed

Publications in Geriatrics, Cognition and Frailty

Recent contributions and publications from SAGA members

ASA Brain Health Initiative

*Tools for Providers
Podcasts, Webinars and Videos*

SAGA Membership/Renewal

Membership and Renewal forms for various levels of membership attached.

Jeff Silverstein Endowed Lectureship

An Endowed lectureship to support presentation topic at SAGA annual meeting at the ASA.

President'Corner

Shamsuddin Akhtar MD

I hope all of you and your loved ones are well and safe. Last few months have affected our lives in ways that we could not have imagined. Many of us have faced challenges at work; whether it be at administrative level, clinically, educationally, or in terms of research. Lives have been disrupted, but new opportunities have also presented themselves.

COVID-19 has disproportionately affected elderly patients and their overall care has been significantly impacted. We as anesthesiologists have stepped up to our core competencies and are taking an active role in the management of critically ill patients. I and on behalf of the SAGA board, thank each and everyone of you for your work.

Members of SAGA continue to represent and advance the goals of the Society. Members have been extremely active in various arenas as evidence by significant academic output. In this issue of the newsletter we highlight some **significant publications, books, reviews** and multiple resource materials

that have been published and made available in the last few months. Practical tools, information about **podcasts, webinars and videos** that may be helpful for the providers are also highlighted in this newsletter. Some **Grant opportunities** are also mentioned.

The challenges of managing elderly patients has taken a new meaning and our expertise in managing elderly patients in the perioperative and critical care arenas has become more vital. Significant challenges lie ahead and more work needs to be done.

We remain a vibrant, active and involved organization, however, as any other professional society; SAGA depends on its members to continue with its mission. Take a moment to **become a member or renew your membership**.

We also encourage you to contribute to **Jeff Silverstein Endowed Lectureship** an Endowed lectureship to support presentation topic at SAGA annual meeting at the ASA.

I wish you all best of health and thank you again for your constant support, contributions towards the care of the elderly. Hope to see many of you in person soon.

Highlights of SAGA Membership Research and Publications in Geriatrics, Cognition and Frailty

In June 2020 Anesthesia and Analgesia

Featured articles :

Anesthetic Care of the Frail Patient: Frailty syndrome:

Anesthesiologists Must Understand more and fear less

Editorial from Elizabeth Whitlock, MD, MSc and Robert Whittington, MD

<https://www.ncbi.nlm.nih.gov/pubmed/32384332>

Frailty for Perioperative Clinicians: A Narrative Review

Daniel McIsaac, MD, MPH, FRCPC

<https://www.ncbi.nlm.nih.gov/pubmed/32384334>

Handle with Care: Frailty and Perianesthetic Management

<https://www.ncbi.nlm.nih.gov/pubmed/32384333>

Frailty in Critical Care Medicine: A Review

<https://www.ncbi.nlm.nih.gov/pubmed/32384336>

Infographic Handle with Intensive Care: Frailty in the Critical Ill

Shamsuddin Akhtar, MD

Editor, Principles of Geriatric Critical Care

This book is about Critical Illness in Geriatric Patients. <https://cpncampus.com/biblioteca/files/original/3bb9ea6122d56fb86ca65287e59037bb.pdf>

Ruben J. Azocar, MD FASA

Effect of a Cognitive Aid on Reducing Sugammadex Use and Associated Costs: A Time Series Analysis

Anesthesiology. 2019 Nov;131(5):1036-1045. <https://www.ncbi.nlm.nih.gov/pubmed/31634247>

<https://www.ncbi.nlm.nih.gov/pubmed/31634247>

Miles Berger, MD

Neurovascular and immune mechanisms that regulate postoperative delirium superimposed on dementia.

Alzheimers Dement. 2020 Apr 14. doi: 10.1002/alz.12064.

<https://www.ncbi.nlm.nih.gov/pubmed/32291962>

A protocol to reduce self-reported pain scores and adverse events following lumbar punctures in older adults.

J Neurol. 2020 Mar 20. doi: 10.1007/s00415-020-09797-1.

<https://www.ncbi.nlm.nih.gov/pubmed/?term=A+protocol+to+reduce+self-reported+pain+scores+and+adverse+ev>

<https://www.ncbi.nlm.nih.gov/pubmed/?term=A+protocol+to+reduce+self-reported+pain+scores+and+adverse+ev>

A Plague on Both Your Monitors! Are Bispectral Index and Cerebral Oximetry Useful for Reducing Postoperative Cognitive Impairment?

J Cardiothorac Vasc Anesth. 2020 May;34(5):1182-1183. doi: 10.1053/j.jvca.2020.01.001. <https://www.ncbi.nlm.nih.gov/pubmed/32029372>

Response to 'Correlation between bispectral index and age-adjusted minimal alveolar concentration'

Br J Anaesth. 2020 Mar;124(3):e38-e39. doi: 10.1016/j.bja.2019.12.005. <https://www.ncbi.nlm.nih.gov/pubmed/31983410>

<https://www.ncbi.nlm.nih.gov/pubmed/31983410>

Age-dependent decrease in minimum alveolar concentration of inhaled anaesthetics: a systematic search of published studies and meta-regression analysis.

Br J Anaesth. 2020 Jan;124(1):e4-e7. doi: 10.1016/j.bja.2019.09.036. <https://www.ncbi.nlm.nih.gov/pubmed/31679750>

<https://www.ncbi.nlm.nih.gov/pubmed/31679750>

Corrigendum to 'State of the clinical science of perioperative brain health: report from the American Society of Anesthesiologists Brain Health Initiative Summit 2018'

Br J Anaesth. 2019 Dec;123(6):917. doi: 10.1016/j.bja.2019.09.014. <https://www.ncbi.nlm.nih.gov/pubmed/31591017>

<https://www.ncbi.nlm.nih.gov/pubmed/31591017>

State of the clinical science of perioperative brain health: report from the American Society of Anesthesiologists Brain Health Initiative Summit 2018.

Br J Anaesth. 2019 Oct;123(4):464-478. doi: 10.1016/j.bja.2019.07.004. <https://www.ncbi.nlm.nih.gov/pubmed/31439308>

<https://www.ncbi.nlm.nih.gov/pubmed/31439308>

Impact of Cognitive Impairment Across Specialties: Summary of a Report From the U13 Conference Series.

J Am Geriatr Soc. 2019 Oct;67(10):2011-2017. doi: 10.1111/jgs.16093. <https://www.ncbi.nlm.nih.gov/pubmed/31436318>

<https://www.ncbi.nlm.nih.gov/pubmed/31436318>

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Highlights of SAGA Membership Research and Publications in Geriatrics, Cognition and Frailty

Paradox of age: older patients receive higher age-adjusted minimum alveolar concentration fractions of volatile anaesthetics yet display higher bispectral index values. *Br J Anaesth.* 2019 Sep;123(3):288-297. doi: 10.1016/j.bja.2019.05.040 <https://www.ncbi.nlm.nih.gov/pubmed/31279479>

The INTUIT Study: Investigating Neuroinflammation Underlying Postoperative Cognitive Dysfunction. *J Am Geriatr Soc.* 2019 Apr;67(4):794-798. doi: 10.1111/jgs.5770. <https://www.ncbi.nlm.nih.gov/pubmed/30674067>

Flow Cytometry Characterization of Cerebrospinal Fluid Mono cytes in Patients With Postoperative Cognitive Dysfunction: A Pilot Study *Anesth Analg.* 2019 Nov;129(5):e150-e154. doi: 10.1213/ANE.0000000000004179. <https://www.ncbi.nlm.nih.gov/pubmed/31085945>

Charles Brown, MD
Effect of Targeting Mean Arterial Pressure During Cardiopulmonary Bypass by Monitoring Cerebral Autoregulation on Postsurgical Delirium Among Older Patients: A Nested Randomized Clinical Trial. *JAMA Surg.* 2019 May 22. doi: 10.1001/jamasurg.2019.1163 <https://www.ncbi.nlm.nih.gov/pubmed/31116358>

Use of an expert panel to identify domains and indicators of delirium severity. *Qual Life Res.* 2019 Sep;28(9):2565-2578. doi: 10.1007/s11136-019-02201-0 <https://www.ncbi.nlm.nih.gov/pubmed/31102155>

Deborah J. Culley, MD
THE ASSOCIATION OF A FRAILTY INDEX AND INCIDENT DELIRIUM IN HOSPITALIZED VETERANS *Innov Aging.* 3(Suppl 1); 2019 Nov PMC6845397 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6845397/>

American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Postoperative Delirium Prevention *Anesth Analg.* 2020 Jun;130(6):1572-1590. doi: 10.1213/ANE.0000000000004641 <https://www.ncbi.nlm.nih.gov/pubmed/32022748>

Stacie Deiner, MD
Association of Preoperative Frailty with Intraoperative Hemodynamic Instability and Postoperative Mortality. *Anesthesia and analgesia.* 2019 May 1 <https://www.ncbi.nlm.nih.gov/pubmed/31094800>

Preoperative frailty and its association with postsurgical pain in an older patient cohort. *Reg Anesth Pain Med.* 2019 May 08 <https://www.ncbi.nlm.nih.gov/pubmed/31061107>

Adherence to recommended practices for perioperative anesthesia care for older adults among US anesthesiologists: results from the ASA Committee on Geriatric Anesthesia-Perioperative Brain Health Initiative ASA member survey by the ASA Committee on Geriatric Anesthesia and the ASA Perioperative Brain Health Initiative *Perioper Med (Lond).* 2020; 9: 6. Published online 2020 Feb 25. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7041201/>

American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Postoperative Delirium Prevention *Anesth Analg.* 2020 Jun;130(6):1572-1590. doi: 10.1213/ANE.0000000000004641 <https://www.ncbi.nlm.nih.gov/pubmed/32022748>

Anna Donovan, MD
Geriatric Physiology and the Frailty Syndrome *Anesthesiol Clin.* 2019 Sep;37(3):453-474. <https://www.ncbi.nlm.nih.gov/pubmed/31337478>

Intraoperative dexmedetomidine to prevent postoperative delirium: in search of the magic bullet. *Can J Anaesth.* 2019 Apr;66(4):365-370. <https://www.ncbi.nlm.nih.gov/pubmed/30710259>

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Highlights of SAGA Membership Research and Publications in Geriatrics, Cognition and Frailty

Roderic G. Eckenhoff, MD

Prevalence and Multivariable Factors Associated With Preoperative Cognitive Impairment in Outpatient Surgery in the United States *Anesth Analg.* 2019 Jul;129 <https://www.ncbi.nlm.nih.gov/pubmed/31210651>

Thomas Ebert, MD, PhD

Perioperative Neurocognitive Disorder: State of the Preclinical Science *Anesthesiology.* 2020 Jan;132 (1):55-68. <https://www.ncbi.nlm.nih.gov/pubmed/31834869>

Nicolai Gottel, MD

Book review Geriatric Anesthesia: An Issue of Anesthesiology Clinics *Anesthesia & Analgesia: May 2020 - Volume 130 - Issue 5 - p e146-e147* https://journals.lww.com/anesthesia-analgesia/Citation/2020/05000/Geriatric_Anesthesia__An_Issue_of_Anesthesiology.58.aspx?context=LatestArtic

Vijaya N.R. Gottumukkala, MB, BS, MD, FRCA

Impact of perioperative pain management on cancer recurrence: an ASRA/ESRA special article. Reg Anesth Pain Med 44(1):13-28, 2019. PMID: 30640648. [https://www.ncbi.nlm.nih.gov/pubmed/?term=Reg+Anesth+Pain+Med+44\(1\)%3A13-28%2C+2019.+PMID%3A+30640648](https://www.ncbi.nlm.nih.gov/pubmed/?term=Reg+Anesth+Pain+Med+44(1)%3A13-28%2C+2019.+PMID%3A+30640648)

Christopher Hughes, MD

Delirium after Cardiac Surgery and Cognitive Change: Comment Correspondence *Anesthesiology* 5 2019, Vol.130, 857-859. <https://www.ncbi.nlm.nih.gov/pubmed/30994566>

Rebecca Johnson, MD

Impact of Frailty on Outcomes After Primary and Revision Total Hip Arthroplasty. *Arthroplasty.* 2019 Jan;34(1):56-64.e5. doi: 10.1016/j.arth.2018.09.078. <https://www.ncbi.nlm.nih.gov/pubmed/30340916>

Jacqueline Leung, MD, MPH

Does postoperative delirium following elective noncardiac surgery predict long-term mortality? *Age Aging* 2020 Mar 31. pii: afaa047. doi: 10.1093/ageing/afaa <https://www.ncbi.nlm.nih.gov/pubmed/32232435>

Adapt;A Randomized Clinical Trial to Reduce Intraoperative EEG Suppression in Older Surgical Patients Undergoing Major Noncardiac Surgery *Anesth Analg.* 2020 Mar 9. doi: 10.1213/ANE.0000000000004713 <https://www.ncbi.nlm.nih.gov/pubmed/32167975>

Adherence to recommended practices for perioperative anesthesia care for older adults among US anesthesiologist: results from the ASA Committee on Geriatric Anesthesia Perioperative Brain Health Initiative ASA member survey *Perioper Med (Lond).* 2020 Feb 25;9:6. doi: 10.1186/s13741-020-0136-9. <https://www.ncbi.nlm.nih.gov/pubmed/32123562>

American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Postoperative Delirium Prevention *Anesth Analg.* 2020 Jun;130(6):1572-1590. doi: 10.1213/ANE.0000000000004641 <https://www.ncbi.nlm.nih.gov/pubmed/32022748>

Volatile anaesthetics and postoperative delirium in older surgical patients-A secondary analysis of prospective cohort study *Acta Anaesthesiol Scand.* 2019 Jan;63(1):18-26. doi: 10.1111/aas.13227 <https://www.ncbi.nlm.nih.gov/pubmed/30051465>

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Highlights of SAGA Membership Research and Publications in Geriatrics, Cognition and Frailty

Daniel McIsaac, MD, MPH, FRCPC

The Association of Frailty With Adverse Outcomes After Multisystem Trauma: A Systematic Review and Meta-analysis.

Anesth Analg. 2020 Jun;130(6):1482-1492. <https://www.ncbi.nlm.nih.gov/pubmed/32384338>

Frailty for Perioperative Clinicians: A Narrative Review.

Anesth Analg. 2020 Jun;130(6):1450-1460. <https://www.ncbi.nlm.nih.gov/pubmed/32384334>

Accuracy and Feasibility of Clinically Applied Frailty Instruments before Surgery: A Systematic Review and Meta-analysis. *Anesthesiology.* 2020 Mar 31. doi: 10.1097/<https://www.ncbi.nlm.nih.gov/pubmed/32243326>

Real-world evaluation of enhanced recovery after surgery: big data under the microscope.

Br J Anaesth. 2020 May;124(5):510-512. doi: 10.1016/j.bja.2020.01.012. <https://www.ncbi.nlm.nih.gov/pubmed/32115185>

Protocol for the derivation and external validation of a 30-day mortality risk prediction model for older patients having emergency general surgery (PAUSE score-Probability of mortality Associated with Urgent/emergent general Surgery in older patients score). *BMJ Open.* 2020 Jan 7;10(1):e034060. doi: 10.1136/bmjopen-2019-034060. <https://www.ncbi.nlm.nih.gov/pubmed/31915174>

Carol Peden, MD

Dr Foster global frailty score: an international retrospective observational study developing and validating a risk prediction model for hospitalised older persons from administrative data sets. *BMJ Open.* 2019 Jun 22;9(6):e026759. doi: 10.1136/bmjopen-2018-026759. <https://www.ncbi.nlm.nih.gov/pubmed/31230009>

Shahzad Shaefi, MD

Prevention of Early Postoperative Decline: A Randomized, Controlled Feasibility Trial of Perioperative Cognitive Training *Anesth Analg.* 2020 Mar;130(3):586-595 <https://www.ncbi.nlm.nih.gov/pubmed/31569161>

Fritz Sieber, MD

Preoperative Evaluation of the Frail Patient *Anesth Analg.* 2020 Jun;130(6):1493-1503.<https://www.ncbi.nlm.nih.gov/pubmed/32384339>

Frailty Is Associated With Postoperative Delirium But Not With Postoperative Cognitive Decline in Older Noncardiac Surgery Patients. *Anesth Analg.* 2020 Jun;130(6):1516-1523 <https://www.ncbi.nlm.nih.gov/pubmed/32384341>

Shaping anesthetic techniques to reduce post-operative delirium (SHARP) study: a protocol for a prospective pragmatic randomized controlled trial to evaluate spinal anesthesia with targeted sedation compared with general anesthesia in older adults undergoing lumbar spine fusion surgery. *BMC Anesthesiol.* 2019 Oct 27;19(1):192. <https://www.ncbi.nlm.nih.gov/pubmed/31656179>

Balachundhar Subramaniam, MD

Prevention of Early Postoperative Decline: A Randomized, Controlled Feasibility Trial of Perioperative Cognitive Training *Anesth Analg.* 2020 Mar;130(3):586-595 <https://www.ncbi.nlm.nih.gov/pubmed/31569161>

Effect of Intravenous Acetaminophen vs Placebo Combined With Propofol or Dexmedetomidine on Postoperative Delirium Among Older Patients Following Cardiac Surgery: The DEXACET Randomized Clinical Trial *JAMA.* 2019 Feb 19;321(7):686-696. <https://www.ncbi.nlm.nih.gov/pubmed/30778597>

Elizabeth Whitlock, MD

Surgery and persistent cognitive decline: a commentary and an independent discussion *Br J Anaesth.* 2020 Mar;124(3):229-234<https://www.ncbi.nlm.nih.gov/pubmed/31839254>

Aging Gracefully: The Evolution of Perioperative Care for Older Adults *Anesthesiol Clin.* 2019 Sep;37(3):xv-xvi <https://www.ncbi.nlm.nih.gov/pubmed/31337489>

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Highlights of SAGA Membership Research and Publications in Geriatrics, Cognition and Frailty

Robert Whittington, MD

Geriatric Anesthesia, An Issue of Anesthesiology Clinics 2019 Editors: Elizabeth Whitlock & Robert A. Whittington
Consulting Editor Lee Fleisher <https://www.elsevier.com/books/geriatric-anesthesia-an-issue-of-anesthesiology-clinics/whitlock/978-0-323-68221-3>

Zhongong Xie, MD, PhD

Apolipoprotein E genotand the association between C-reactive protein and postoperative delirium: Importance of gene-protein interactions. 2020 Mar;16(3):572-580.. <https://www.ncbi.nlm.nih.gov/pubmed/31761478>

Perioperative Neurocognitive Disorder: State of the Preclinical Science *Anesthesiology*. 2020 Jan;132(1):55-68. <https://www.ncbi.nlm.nih.gov/pubmed/31834869>

Postoperative Delirium and Postoperative Cognitive Dysfunction: Overlap and Divergence *Anesthesiology*. 2019 Sep;131(3):477-491 <https://www.ncbi.nlm.nih.gov/pubmed/31166241>
with associated podcast <https://anesthesiology.pubs.asahq.org/multimedia.aspx?mediaType=Podcasts#page=3&mediaType=Podcasts>

Postoperative Delirium Is Associated with Long-term Decline in Activities of Daily Living *Anesthesiology*. 2019 Sep;131(3):492-500 <https://www.ncbi.nlm.nih.gov/pubmed/31335550>

SAGA Members accomplishments awards and achievements:

Seam Adams MD, FASA
Illinois Society Anesthesia President 2019-2020

George S Bause MD
Editor Journal of Anesthesia History Miles 2019

Debrah J Culley MD
Winner of Academy of Mentors: Women in Neuroanesthesia and Neuroscience Education and Research 2019

Daniel McIsaac MD, MPH, FRCPC
Junior Faculty Excellence Award, University of Ottawa
Best paper in perioperative medicine, Canadian Anesthesiology Society Meeting

Joseph Szokol, M.D, FASA
American Society of Anesthesia Chief Health Policy Officer 2020

Grant Information

The Grants for Early Medical/Surgical Specialists' Transition to Aging Research (GEMSSTAR) is an RO3 NIH grant to further research in geriatrics among medical and surgical specialties. It provides up to \$75000/year for two year. Anesthesiologists have been quite successful over the years in getting these grants. It is designed for junior faculty. Successful applicants from anesthesiology also receive a Jahnigan award to learn more about geriatrics as it relates to perioperative care. The best way to learn more about this program is to visit the following websites:

GEMSSTAR application from the NIH.<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-16-015.html>

Jahnigan award from the American Geriatrics Society. <https://www.americangeriatrics.org/about-us/awards/dennis-w-jahnigen-memorial-award>

American Geriatrics Society Series of award applications. <https://www.americangeriatrics.org/about-us/awards-and-who-we-honor>

Become a member at: <http://www.sagahq.org/joinsaga.html>

Tools For Providers

Preventing Delirium amidst COVID-19 : Recommendations and Tools for HELP Programs

<https://www.hospitalelderlifeprogram.org/for-clinicians/covid19-resource>

Six Tips to Reduce Confusion in Older Patients After Surgery.

<https://www.asahq.org/brainhealthinitiative/toolsforpatients/sixtips>

Global council on Brain Health Report on Delirium

https://www.aarp.org/content/dam/aarp/health/brain_health/2020/03/gcbh-delirium-report-english.doi.10.26419-2Fpia.00101.001.pdf

Keck Medical center Launches New brain health Initiative at USC

<https://www.asahq.org/brainhealthinitiative/news/articlesandnews/keckmedicalcenter>

A series of questions that providers need to ask their patients prior to surgery. M.E.D.I.A. refers to Memory, Episode, Drugs, Items and Aids

<https://www.asahq.org/brainhealthinitiative/tools/mediaquestionnaire>

Visual information at your disposal

<https://www.asahq.org/brainhealthinitiative/tools/infographics>

ISTAART Webinar: Recommendations for a New Perioperative Cognitive Impairment Nomenclature [Webinar]

In this webinar organized by the Alzheimer's Association, Dr. Roderick Eckenhoff, Dr. Lis Evered discuss ongoing efforts by international and multidisciplinary group of researchers and clinicians looking at postoperative delirium and postoperative cognitive dysfunction. | October 2019
https://zoom.us/recording/play/9W1cBsh0ztk2gCz-GK5uuyeZKX3QCtvqL227Tj28eZSEYxqi-wzdocwEt_zvo0Qy

Promoting Brain Health for Older Adults Around the Time of Surgery: Best Practices for Postoperative Brain Health Recommendations [Podcast]

Dr. Miles Berger and Dr. Stacie Deiner discuss the recommendations from the 5th International perioperative Neurotoxicity Workgroup in this month's podcast. | September 2019
https://www.asahq.org/brainhealthinitiative/-/media/sites/bhealth/files/asa_08-22-19-pbhi-edited3.mp3

Promoting Brain Health for Older Adults Around the Time of Surgery: Practical Solutions [Podcast]

Dr. Michael Avidan, Dr. Seymour and Rose T. Brown Professor of Anesthesiology, Chief of Division of Clinical and Translational Research and Director of the Infrastructure of Quality Improvement Research and Informatics at Washington University School of Medicine, St. Louis. | July 2019
https://www.asahq.org/brainhealthinitiative/-/media/sites/bhealth/files/asa_pbhi-070519.mp3

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SOCIETY FOR THE ADVANCEMENT OF GERIATRIC ANESTHESIA

*Time to join/renew membership for 2020 for the Society for the Advancement of Geriatric Anesthesia. Dues are unchanged from the prior year. Renewal is easily done by completing the attached form and **mailing in a check or via online bank transfer zelle** to sagahq.org@gmail.com Nickname SAGA (preferred, to avoid credit card fees), or you may join and pay online at www.sagahq.org with a credit card.*

SAGA Membership categories and requirements are as follows:

Active Membership, \$100/year

- *Must be a physician. Only Active Members are permitted to vote, hold office, and serve on the Board of Directors.*

Associate Membership, \$25/year

- *Primarily for non-physicians. However, any non-anesthesiologist physician who does not desire the additional benefits of Active Membership may join SAGA as an Associate Member.*

International Membership, \$ 100/year

- *Individuals residing outside the United States or Canada may join the Society as International Members.*

Retired Membership, \$25/year

- *Individuals who have retired from clinical practice may join at this level.*

Resident or Medical Student Membership, free

- *Any medical student or anyone in full-time training in an approved residency or fellowship in the specialty of anesthesiology.*

Lifetime Membership, \$1500

- *Lifetime members will be exempt from all future dues. However, only those Lifetime Members who are physicians will be allowed to vote, hold office, or serve on the Board of Directors.*

Note: any physician who wishes to be a voting member of SAGA or hold office must join as an Active Member, regardless of whether they qualify for some other membership category.

SAGA is an Anesthesia & Analgesia (A&A) Affiliate Society and our members can take advantage of Special Membership Discounts.

Please follow SAGA on Twitter @SAGAAesthesia

- Please renew by June 15, 2020 -

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SOCIETY FOR THE ADVANCEMENT OF GERIATRIC ANESTHESIA

Thank you for your commitment to The Society for the Advancement of Geriatric Anesthesia. Your membership continually allows for the improvement of anesthesia care in geriatrics patients.

Society for the Advancement of Geriatric Anesthesia Membership/Renewal Registration Form

Membership Year: _____

Name: _____

Degree: _____

Position: _____

Address: _____

WorkPhone: _____

Fax: _____

E-Mail: _____

Category:

_____ Lifetime \$1500

_____ Active \$100

_____ Associate \$25

_____ International \$100

_____ Resident or Medical Student: free

_____ Retired \$25

Funds should be paid in US dollars. Please send application and dues to:

SAGA

c/o Dr. Adamina Podraza

6121 Glenbrook Lane West

Indian Head Park, Illinois 60525

Jeff Silverstein Endowed Lectureship

The goal of the Jeff Silverstein Endowed Lectureship is to raise an endowment fund to support a presentation on a presentation topic related to geriatric anesthesia at the annual SAGA meeting during the ASA. Jeff Silverstein was an original member of SAGA and the ASA Committee on Geriatric Anesthesia and the American Geriatric Society.

The lecture will be sponsored by the **Jeff Silverstein Endowment Fund**. Please consider making a donation online (at the website <http://sagahq.org/endowment.html>) or by mailing a **check** along with the attached form.

To avoid credit card fees a **check** is preferred or Zelle sagahq.org@gmail.com nickname **SAGA message Donation**.

If you are paying by **check**, please complete this form and mail it with the check to:

**c/o Dr. Adamina Podraza
6121 Glenbrook Lane West
Indian Head Park, Illinois 60525**

Funds should be paid in US dollars. Please make the check payable to SAGA and mark it with "*Silverstein Lectureship*".

Please complete the form below.
All fields are required

Donor Information

First Name: _____

Last Name: _____

E-mail address: _____

Address _____

Donation

Donation amount (USD): \$ _____

Become a member at: <http://www.sagahq.org/>

SAGA Leadership

Shamsuddin Akhtar, MD, President (2018-2020)

Professor, Anesthesiology and Pharmacology
Yale School of Medicine
shamsuddin.akhtar@yale.edu

Charles Brown, MD, President-Elect (2018-2020)

Associate Professor of Anesthesiology and Critical Care
Johns Hopkins Medicine
cbrownv@jhmi.edu

Marek Brzezinski, MD, PhD, Secretary (2018-2020)

Professor of Anesthesia and Perioperative Care
University of California, San Francisco
marek.brzezinski@ucsf.edu

Adamina Podraza, Treasurer (2018-2020)

Department of Anesthesia
Morris Hospital & Healthcare Centers
adaminapod@gmail.com

Ruben Azocar, MD, Immediate Past President (2018-2020)

Professor and Chair,
Department of Anesthesiology and Perioperative Medicine
Tufts University School of Medicine
617 636 8384 fax
razocar@tuftsmedicalcenter.org

Itay Bentov, MD, Board Member

Associate Professor of Anesthesiology and Pain Medicine
Adjunct Associate Professor Department of Medicine
University of Washington School of Medicine
itayb@uw.edu

Stacie G. Deiner, MD, Board Member

Professor of Anesthesiology
Icahn School of Medicine at Mt. Sinai
stacie.deiner@mssm.edu

Dragos M. Galusca MD, FASA, Board Member

Clinical Assistant Professor of Anesthesiology
Division Chief, Critical Care Anesthesiology
Dept of Anesthesiology, Pain Management and Perioperative Medicine
Henry Ford Health System / Wayne State University
dgaluscl@hfhs.org

Lis Evered, PHD, Board Member

Department of Anaesthesia and Acute Pain Medicine
St Vincent's Hospital and University of Melbourne
lis.evered@svha.org.au

Daniel McIsaac MD, MPH, FRCPC, Board Member

Assistant Professor of Anesthesiology & Pain Medicine
University of Ottawa
dmcisaac@toh.on.ca

Jing Tao, MD, Board Member

Assistant Professor of Anesthesiology
Yale University School of Medicine
jing.tao@yale.edu

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