



SOCIETY OF BEDSIDE MEDICINE



Annual Report 2021

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Introduction

The Society of Bedside Medicine is a global community of physician educators dedicated to bedside teaching and improving physical examination and diagnostic skills. The purpose of the Society of Bedside Medicine is to foster a culture of bedside medicine through deliberate practice and teaching, and by encouraging innovation in education and research on the role of the clinical encounter in 21st century medicine.

Mission and Vision

The bedside encounter between a patient and physician is central to the practice of medicine. Its role is foundational to accurate diagnosis and high-quality patient-centered care. The bedside encounter provides the basis for trust and healing for the patient but is also an important source of fulfillment and satisfaction for the physician. The Society for Bedside Medicine was formed by a global community of physician educators dedicated to bedside teaching and improving bedside diagnostic skill. The purpose of the society is to foster a culture of bedside medicine through deliberate practice and teaching at the bedside, and by encouraging innovation in education and research on the role of the clinical encounter in 21st century medicine.

Board Members

We currently have 14 board members and 3 Advisory Council Members.

Maja Artandi	Co-President
Stephen Russell	Co- President
Timothy Niessen	Treasurer
Brian Garibaldi	Director of Fellowship program
John Kugler	Founding Board Member
Errol Ozdalga	Director of Communications
Lars Osterberg	Secretary
Sonoo Thadaney	Founding Board Member
Junaid Zaman	Director of Research
Nayan Kothari	Board Member
Sharon Onguti	Founding Board Member
Ke-Andrea Titer	Board Member
Janet Record	Board Member
Anna Dover	Board Member
Abraham Verghese	Advisory Council
Andrew Elder	Advisory Council
Stephen McGee	Advisory Council

Table 1. Board and Advisory Council Members

Membership

The Society of Bedside Medicine offers 2 different membership options: institutional and individual.

Institutional Members

Institutional memberships cost \$4,000 for a two-year membership period. This institutional membership comes with 10 individual faculty memberships, as well as recognition on the Society of Bedside Medicine website. We currently have 10 institutional members with more on the way!

Current institutional members

1. Johns Hopkins University School of Medicine [2021]
2. Johns Hopkins Bayview Medical Center [2021]
3. University of Alabama, Birmingham School of Medicine Medicine [2021]
4. Stanford University School of Medicine [2021]
5. Wake Forest University School of Medicine [2020]
6. VCU School of Medicine [2021]

Individual Members

Individual memberships cost \$100 and come with access to member-only content including a library of 5-Minute Moments, opportunities to apply for grants, opportunities to submit workshop proposals for the Stanford 25 Bedside Medicine Symposium, and the ability to submit 5-minute Moment ideas for publication on the website. As of December 31st, 2021, we have 257 individual members representing almost 150 institutions across 19 countries.

Medical students and graduate trainees can join at a discounted rate of \$50. Developing country membership cost is based on the World Bank Development Classification. Band A and B countries pay the full price membership fee of \$100, while B and C and D countries pay a reduced fee of \$50.

Membership by month in 2021



Figure 1. Membership Numbers by Month

Professional Specialties

Anesthesia

Cardiology
Critical Care
Dermatology
Emergency Medicine
ENT
Family Medicine
Gastroenterology
Geriatrics
Heme
Infectious Disease
Internal Medicine
Nephrology
Neurology
Ob/Gyn
Oncology
Ortho
Other
Palliative Care
Pediatrics
Pulmonary
Rheumatology
Surgery

Resources

Society of Bedside Medicine members have access to high quality teaching and assessment resources including a library of Five-minute Moment (5M2) teaching vignettes, social media resources and the ability to be part of a community of medical providers who believe in the importance of bedside medicine

The Minute Moment (5M2)

The 5M2 Working Group is led by co-president Stephen Russell. Members are given the opportunity to contribute unique 5M2 ideas, which are then edited by the working group for publication on the Society of Bedside Medicine website. A template is available on the Society of Bedside Medicine website for submission. We currently have 24 5M2s on the website.

Murmurs of the Month

Members have access to 11 “Murmurs of the Month” cases that have been compiled and edited by University of Minnesota Cardiology fellow Juliette Power, a former chief resident at Allegheny General Hospital in Pennsylvania.

Social Media

The Society of Bedside Medicine has an account on Twitter, Facebook and Instagram. The Twitter followers grew from 98 followers in October 2018 to 1021 followers in December 2020.

Coalition To Improve Diagnosis

The Society of Bedside Medicine joined the Coalition to Improve Diagnosis in August 2018. The Coalition, formed and led by the Society to Improve Diagnosis (SIDM), increases awareness and actions that reduce diagnostic error.

The Graduate Medical Education Laboratory (GEL)

The Society of Bedside Medicine is a proud member of the Graduate Medical Education Laboratory (GEL). GEL is a partnership with the internal medicine residency programs at The Johns Hopkins Hospital, Johns Hopkins Bayview Medical Center, Stanford University and the University of Alabama at Birmingham as well as the Human Diagnosis Project and the Society of Bedside Medicine. This group was awarded a 5-year \$1.8million grant as part of the Reimagining Residency Initiative by the American Medical Association. The goal of the proposal is to examine the modifiable aspects of the residency training environment that impact trainee wellness and clinical skill. As part of the project, SBM faculty members will help to set up APECS clinical skills assessments at all 4 residency programs to provide real-time assessment of bedside clinical skills as well as feedback to improve resident performance. The hope is that the SBM can then expand APECS to other member institutions interested in improving trainee clinical skills.

Gordon and Betty Moore Foundation scholarship

SBM partnered with the GBM foundation for a one year scholarship to foster clinical understanding in bedside medicine through the execution of a new project related to the clinical encounter in the time of COVID-19.

After a wide search process Caitlin Hicks MD MS (Johns Hopkins University) was awarded the scholarship. She is studying Telemedicine use among Medicare beneficiaries. Her project will complete in summer 2021 with a presentation to follow.

Non-Profit Status

The Society of Bedside Medicine is a 501c3 organization registered in Maryland (EIN 81-5330550) since April 2017. The board secured nonprofit liability insurance in June 2018.

Presentations at Regional and National Meetings

The Society of Bedside Medicine proudly co-sponsored several national and international meetings over the last year including:

- [5th Annual Stanford 25 Bedside Medicine Skills Symposium - Nov 1-2, 2019](#)
- [SBM@theBedside During COVID-19 - May 12, 2020](#)
- [SBM@theBedside During COVID-19- June 9, 2020](#)
- [SBM@theBedside During COVID-19- July 7, 2020](#)
- [SBM@theBedside During COVID-19, August 4, 2020](#)
- [AMA GME Innovations summit, October 5, 2020](#)
- [6th Annual Stanford 25 Bedside Medicine Skills Symposium -March 25-26,2021](#)
- [Presentation at Stanford Hospitalist Grand Rounds -October 4th, 2021](#)

Margaret Rock Memorial Award

The winner of the annual poster session at the Stanford Clinical Skills Symposium received the inaugural Margaret Rock award, named in honor of a patient whose family donated in her honor to the Society of Bedside Medicine.

Publications

Below is a list of high profile publications by Society of Bedside Medicine members since our last annual report.

Artandi, Maja:

Artandi M, Barman L, Srinivasan M, Thomas S, Singh J, Asch SM, Vilendrer S
A Specialized Acute COVID-19 Outpatient Clinic at an Academic Medical Center.
 Am J Med Qual. 2021 Jul 21. doi: 10.1097/JMQ.000000000000006.PMID: 34310381

Chang SE, Feng A, Meng W, Apostolidis SA, Mack E, **Artandi M**, Barman L, Bennett K, Chakraborty S, Chang I, Cheung P, Chinthrajah S, Dhingra S, Do E, Finck A, Gaano A, Geßner R, Giannini HM, Gonzalez J, Greib S, Gündisch M, Hsu AR, Kuo A, Manohar M, Mao R, Neeli I, Neubauer A, Oniyide O, Powell AE, Puri R, Renz H, Schapiro J, Weidenbacher PA, Wittman R, Ahuja N, Chung HR, Jagannathan P, James JA, Kim PS, Meyer NJ, Nadeau KC, Radic M, Robinson WH, Singh U, Wang TT, Wherry EJ, Skevaki C, Luning Prak ET, Utz PJ.
New-onset IgG autoantibodies in hospitalized patients with COVID-19.
 Nat Commun. 2021 Sep 14;12(1):5417. doi: 10.1038/s41467-021-25509-3.PMID: 34521836

Eggert LE, He Z, Collins W, Lee AS, Dhondalay G, Jiang SY, Fitzpatrick J, Snow TT, Pinsky BA, **Artandi M**, Barman L, Puri R, Wittman R, Ahuja N, Blomkalns A, O'Hara R, Cao S, Desai M, Sindher SB, Nadeau K, Chinthrajah RS.
Asthma phenotypes, associated comorbidities, and long-term symptoms in COVID-19.
 Allergy. 2022 Jan;77(1):173-185. doi: 10.1111/all.14972. Epub 2021 Jun 19.PMID: 34080210

Feyaerts D, Hedou J, Gillard J, Chen H, Tsai ES, Peterson LS, Ando K, Manohar M, Do E, Dhondalay GKR, Fitzpatrick J, **Artandi M**, Chang I, Snow TT, Chinthrajah RS, Warren CM, Wittman R, Meyerowitz JG, Ganio EA, Stelzer IA, Han X, Verdonk F, Gaudilliere DK, Mukherjee N, Tsai AS,

Rumer KK, Jiang SJ, Valdes-Ferrer SI, Kelly JD, Furman D, Aghaeepour N, Angst MS, Boyd SD, Pinsky BA, Nolan GP, Nadeau KC, Gaudilliere B, Mellwain DR.

Integrated plasma proteomic and single-cell immune signaling network signatures demarcate mild, moderate, and severe COVID-19.

bioRxiv. 2021 Feb 10:2021.02.09.430269. doi: 10.1101/2021.02.09.430269. Preprint.PMID: 33594362

CBSN Bay Area Medical Mondays: Multiple TV interviews

Russell, Stephen

Garibaldi BT and **Russell SW**. Strategies to Improve Bedside Clinical Skills Teaching. *CHEST*. Dec 2021; 160 (6): 2187-2195

Garibaldi, Brian

Bowring MG, Wang Z, Xu Y, Betz J, Muschelli J, **Garibaldi BT***, Zeger SL. Outcome-Stratified Analysis of Biomarker Trajectories for Patients Infected With Severe Acute Respiratory Syndrome Coronavirus 2. *Am J Epidemiol*. 2021 Oct 1;190(10):2094-2106. doi: 10.1093/aje/kwab138. PMID: 33984860; PMCID: PMC8241476. *Co-senior author. (JH-CROWN Registry)

Andersen KM, Mehta HB, Palamuttam N, Ford D, **Garibaldi BT**, Auwaerter PG, Segal J, Alexander GC. Association Between Chronic Use of Immunosuppressive Drugs and Clinical Outcomes From Coronavirus Disease 2019 (COVID-19) Hospitalization: A Retrospective Cohort Study in a Large US Health System, *Clinical Infectious Diseases*. [published online ahead of print, 2021 Jan 7] (JH-CROWN Registry) PMID: **33410884**

Bennett TD, Moffitt RA, Hajagos JG, Amor B, Anand A, Bissell MM, Bradwell KR, Bremer C, Byrd JB, Denham A, DeWitt PE, Gabriel D, **Garibaldi BT**, Girvin AT, Guinney J, Hill EL, Hong SS, Jimenez H, Kavuluru R, Kostka K, Lehmann HP, Levitt E, Mallipattu SK, Manna A, McMurry JA, Morris M, Muschelli J, Neumann AJ, Palchuk MB, Pfaff ER, Qian Z, Qureshi N, Russell S, Spratt H, Walden A, Williams AE, Wooldridge JT, Yoo YJ, Zhang XT, Zhu RL, Austin CP, Saltz JH, Gersing KR, Haendel MA, Chute CG; National COVID Cohort Collaborative (N3C) Consortium. Clinical Characterization and Prediction of Clinical Severity of SARS-CoV-2 Infection Among US Adults Using Data From the US National COVID Cohort Collaborative. *JAMA Netw Open*. 2021 Jul 1;4(7):e2116901. doi: 10.1001/jamanetworkopen.2021.16901. PMID: 34255046; PMCID: PMC8278272.

Boulanger M, Molina E, Wang K, Kickler T, Xu Y, **Garibaldi BT**. Peripheral Plasma Cells Associated with Mortality Benefit in Severe COVID-19: A Marker of Disease Resolution. *Am J Med*, published online March 30, 2021, <https://doi.org/10.1016/j.amjmed.2021.01.040> (JH-CROWN Registry).

Gerber JE, Geller G, Boyce A, Maragakis LL, **Garibaldi BT**. Genomics in Patient Care and Workforce Decisions in High-Level Isolation Units: A Survey of Healthcare Workers. *Health Secur*. 2021 May-Jun;19(3):318-326. doi: 10.1089/hs.2020.0182. Epub 2021 Apr 6. PMID: 33826422; PMCID: PMC8217591.

Al-Samkari H, Gupta S, Leaf RK, Wang W, Rosovsky RP, Brenner SK, Hayek SS, Berlin H, Kapoor R, Shaefi S, Melamed ML, Sutherland A, Radbel J, Green A, **Garibaldi BT**, Srivastava A, Leonberg-Yoo A, Shehata AM, Flythe JE, Rashidi A, Goyal N, Chan L, Mathews KS, Hedayati SS, Dy R, Toth-Manikowski SM, Zhang J, Mallappallil M, Redfern RE, Bansal AD, Short SAP, Vangel MG,

- Admon AJ, Semler MW, Bauer KA, Hernán MA, Leaf DE. Thrombosis, Bleeding, and the Observational Effect of Early Therapeutic Anticoagulation on Survival in Critically Ill Patients With COVID-19. *Ann Intern Med.* 2021 Jan 26. doi: 10.7326/M20-6739. Epub ahead of print. PMID: 33493012.
- Karaba SM, Jones G, Helsel T, Smith LL, Avery R, Dzintars K, Salinas AB, Keller SC, Townsend JL, Klein E, Amoah J, **Garibaldi BT**, Cosgrove SE, Fabre V. Prevalence of Co-infection at the Time of Hospital Admission in COVID-19 Patients, A Multicenter Study. *Open Forum Infect Dis.* 2020 Dec 21;8(1). PMID: 33447639 (JH-CROWN Registry).
- Garibaldi BT**, Wang K, Robinson ML, Zeger SL, Bandeen-Roche K, Wang MC, Alexander GC, Gupta A, Bollinger R, Xu Y. Comparison of Clinical Improvement of Treatment With or Without Remdesivir Among Hospitalized Patients With COVID-19. *JAMA Open Network.* 2021 Mar 1;4(3):e213071. doi: 10.1001/jamanetworkopen.2021.3071.PMID: 33760094 (JH-CROWN Registry).
- Wongvibulsin S, **Garibaldi BT**, Antar AR, Wen J, Wang MC, Gupta A, Bollinger R, Xu Y, Wang K, Betz JF, Muschelli J, Roche KB, Zeger SL, Robinson ML. Development of Severe COVID-19 Adaptive Risk Predictor (SCARP), a calculator to predict severe disease or death in hospitalized patients with COVID-19. *Ann Intern Med.* 2021 Mar 2. doi: 10.7326/M20-6754. Online ahead of print. PMID: 33646849 (JH-CROWN Registry).
- Jeffers J, Bord S, Hooper J, Cayea D, **Garibaldi BT**. End of Life Care: A Multimodal and Comprehensive Curriculum for Graduating Medical Students Utilizing Experiential Learning Opportunities. *Med Ed Portal*, in press.
- Brenner DS, Liu GY, Omron R, Tang O, **Garibaldi BT**, Fong TC. Diagnostic accuracy of lung ultrasound for SARS-CoV-2: a retrospective cohort study. *Ultrasound J.* 2021 Mar 1;13(1):12. PMID: 33644829.
- Kalil AC, Patterson TF, Mehta AK, et al.; ACCT-2 Study Group Members*. Baricitinib plus Remdesivir for Hospitalized Adults with Covid-19. *N Engl J Med.* 2021 Mar 4;384(9):795-807. doi: 10.1056/NEJMoa2031994. Epub 2020 Dec 11. PMID: 33306283; PMCID: PMC7745180 (***BTG is a site co-investigator for ACTT-2**).
- Hao S, DiLallo A, Murphy RR, Taylor RH, **Garibaldi BT**, Krieger A. Physical human–robot interaction for clinical care in infectious environments. *Nature Machine Intelligence.* In press.
- Churpek MM, Gupta S, Spicer AB, Parker WF, Fahrenbach J, Brenner SK, Leaf DE; STOP-COVID Investigators.* Hospital-Level Variation in Death for Critically Ill Patients with COVID-19. *Am J Respir Crit Care Med.* 2021 Apr 23;204(4):403–11. doi: 10.1164/rccm.202012-4547OC. Epub ahead of print. PMID: 33891529; PMCID: PMC8480242 (***BTG is a site co-investigator for STOP COVID**).
- Kotwal S, Fanai M, Fu W, Wang Z, Bery AK, Omron R, Tevzadze N, Gold D, **Garibaldi BT**, Wright SM, Newman-Toker DE. Real-world virtual patient simulation to improve diagnostic performance through deliberate practice: a prospective quasi-experimental study. *Diagnosis (Berl).* 2021 Mar 5. doi: 10.1515/dx-2020-0127. Epub ahead of print. PMID: 33675203.
- Scully EP, Schumock G, Fu M, Massaccesi G, Muschelli J, Betz J, Klein EY, West NE, Robinson M, **Garibaldi BT**, Bandeen-Roche K, Zeger S, Klein SL, Gupta A. Sex and Gender Differences in

Testing, Hospital Admission, Clinical Presentation, and Drivers of Severe Outcomes From COVID-19. *Open Forum Infect Dis*. 2021 Aug 31;8(9):ofab448. doi: 10.1093/ofid/ofab448. PMID: 34584899; PMCID: PMC8465334.

Garibaldi BT, Chisolm MS, Berkenblit GV, Feller-Kopman D, Stephens RS, Stewart RW, Wright SM. A Review of the Published Literature to Characterize Clinical Excellence in COVID-19 Care. *Postgraduate Medical Journal*, 16 May 2021, online ahead of print. PMID: 34039705.

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Minhas AS, Gilotra NA, Goerlich E, Metkus T, **Garibaldi BT**, Sharma G, Bavaro N, Phillip S, Michos ED, Hays AG. Myocardial Work Efficiency, A Novel Measure of Myocardial Dysfunction, Is Reduced in COVID-19 Patients and Associated With In-Hospital Mortality. *Front Cardiovasc Med*. 2021 Jun 14;8:667721. doi: 10.3389/fcvm.2021.667721. PMID: 34195234; PMCID: PMC8236710.

Shaefi S, Brenner SK, Gupta S, O'Gara BP, Krajewski ML, Charytan DM, Chaudhry S, Mirza SH, Peev V, Anderson M, Bansal A, Hayek SS, Srivastava A, Mathews KS, Johns TS, Leonberg-Yoo A, Green A, Arunthamakun J, Wille KM, Shaikat T, Singh H, Admon AJ, Semler MW, Hernán MA, Mueller AL, Wang W, Leaf DE; STOP-COVID Investigators. Extracorporeal membrane oxygenation in patients with severe respiratory failure from COVID-19. *Intensive Care Med*. 2021 Feb;47(2):208-221. doi: 10.1007/s00134-020-06331-9. Epub 2021 Feb 2. PMID: 33528595; PMCID: PMC7851810 (***BTG** is a site co-investigator for STOP COVID).

Gupta S, Coca SG, Chan L, Melamed ML, Brenner SK, Hayek SS, Sutherland A, Puri S, Srivastava A, Leonberg-Yoo A, Shehata AM, Flythe JE, Rashidi A, Schenck EJ, Goyal N, Hedayati SS, Dy R, Bansal A, Athavale A, Nguyen HB, Vijayan A, Charytan DM, Schulze CE, Joo MJ, Friedman AN, Zhang J, Sosa MA, Judd E, Velez JCQ, Mallappallil M, Redfern RE, Bansal AD, Neyra JA, Liu KD, Renaghan AD, Christov M, Molnar MZ, Sharma S, Kamal O, Boateng JO, Short SAP, Admon AJ, Sise ME, Wang W, Parikh CR, Leaf DE; STOP-COVID Investigators. AKI Treated with Renal Replacement Therapy in Critically Ill Patients with COVID-19. *J Am Soc Nephrol*. 2021 Jan;32(1):161-176. doi: 10.1681/ASN.2020060897. Epub 2020 Oct 16. PMID: 33067383; PMCID: PMC7894677 (***BTG** is a site co-investigator for STOP COVID).

Gupta S, Wang W, Hayek SS, Chan L, Mathews KS, Melamed ML, Brenner SK, Leonberg-Yoo A, Schenck EJ, Radbel J, Reiser J, Bansal A, Srivastava A, Zhou Y, Finkel D, Green A, Mallappallil M, Faugno AJ, Zhang J, Velez JCQ, Shaefi S, Parikh CR, Charytan DM, Athavale AM, Friedman AN, Redfern RE, Short SAP, Correa S, Pokharel KK, Admon AJ, Donnelly JP, Gershengorn HB, Douin DJ, Semler MW, Hernán MA, Leaf DE; STOP-COVID Investigators. Association Between Early Treatment With Tocilizumab and Mortality Among Critically Ill Patients With COVID-19. *JAMA Intern Med*. 2021 Jan 1;181(1):41-51. doi: 10.1001/jamainternmed.2020.6252. Erratum in: *JAMA Intern Med*. 2021 Apr 1;181(4):570. PMID: 33080002; PMCID: PMC7577201 (***BTG** is a site co-investigator for STOP COVID).

Molnar MZ, Bhalla A, Azhar A, Tsujita M, Talwar M, Balaraman V, Sodhi A, Kadaria D, Eason JD, Hayek SS, Coca SG, Shaefi S, Neyra JA, Gupta S, Leaf DE, Kovesdy CP; STOP-COVID Investigators.* Outcomes of critically ill solid organ transplant patients with COVID-19 in the United States. *Am J Transplant*. 2020 Nov;20(11):3061-3071. doi: 10.1111/ajt.16280. Epub 2020 Sep 15. PMID: 32844546; PMCID: PMC7460925 (***BTG** is a site co-investigator for STOP COVID).

Mathews KS, Soh H, Shaefi S, Wang W, Bose S, Coca S, Gupta S, Hayek SS, Srivastava A, Brenner SK, Radbel J, Green A, Sutherland A, Leonberg-Yoo A, Shehata A, Schenck EJ, Short SAP, Hernán MA, Chan L, Leaf DE; STOP-COVID Investigators.* Prone Positioning and Survival in Mechanically Ventilated Patients With Coronavirus Disease 2019-Related Respiratory Failure. *Crit Care Med.* 2021 Jul 1;49(7):1026-1037. doi: 10.1097/CCM.0000000000004938. PMID: 33595960; PMCID: PMC8277560 (***BTG** is a site co-investigator for STOP COVID).

Friedman AN, Guirguis J, Kapoor R, Gupta S, Leaf DE, Timsina LR; STOP-COVID Investigators.* Obesity, inflammatory and thrombotic markers, and major clinical outcomes in critically ill patients with COVID-19 in the US. *Obesity (Silver Spring).* 2021 Oct;29(10):1719-1730. doi: 10.1002/oby.23245. Epub 2021 Aug 6. PMID: 34109768. (***BTG** is a site co-investigator for STOP COVID)

Burnim MS, Wang K, Checkley W, Nolley EP, Xu Y, **Garibaldi BT**. The Effectiveness of High-Flow Nasal Cannula in Coronavirus Disease 2019 Pneumonia: A Retrospective Cohort Study. *Crit Care Med.* 2021 Sep 22. doi: 10.1097/CCM.0000000000005309. Epub ahead of print. PMID: 34637419.

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Mehta HB, An H, Andersen KM, Mansour O, Madhira V, Rashidi ES, Bates B, Setoguchi S, Joseph C, Kocis PT, Moffitt R, Bennett TD, Chute CG, **Garibaldi BT**, Alexander GC; National COVID Cohort Collaborative (N3C). Use of Hydroxychloroquine, Remdesivir, and Dexamethasone Among Adults Hospitalized With COVID-19 in the United States : A Retrospective Cohort Study. *Ann Intern Med.* 2021 Oct;174(10):1395-1403. doi: 10.7326/M21-0857. Epub 2021 Aug 17. PMID: 34399060; PMCID: PMC8372837.

Menez S, Moledina DG, Thiessen-Philbrook H, Wilson FP, Obeid W, Simonov M, Yamamoto Y, Corona-Villalobos CP, Chang C, **Garibaldi BT**, Clarke W, Farhadian S, Dela Cruz C, Coca SG, Parikh CR; TRIKIC Consortium. Prognostic Significance of Urinary Biomarkers in Patients Hospitalized With COVID-19. *Am J Kidney Dis.* 2021 Oct 16:S0272-6386(21)00920-3. doi: 10.1053/j.ajkd.2021.09.008. Epub ahead of print. PMID: 34710516; PMCID: PMC8542781.

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Andersen KM, Bates BA, Rashidi ES, Olex AL, Mannon RB, Patel RC, Singh J, Sun J, Auwaerter PG, Ng DK, Segal JB, **Garibaldi BT**, Mehta HB, Alexander GC. Long-term use of immunosuppressive medicines and in-hospital COVID-19 outcomes: a retrospective cohort study using data from the National COVID Cohort Collaborative. *The Lancet Rheumatology.* Epub 2021 Nov 15. [https://doi.org/10.1016/S2665-9913\(21\)00325-8](https://doi.org/10.1016/S2665-9913(21)00325-8).

Clark BW, Niessen T, Apfel A, Luckin J, Lee YZJ, Desai SV, **Garibaldi BT**. Relationship of Physical Examination Technique to Associated Clinical Skills: Results from a Direct Observation Assessment. *Am J Med*. 2021 Dec 31:S0002-9343(21)00852-4. doi: 10.1016/j.amjmed.2021.11.021. Epub ahead of print. PMID: 34979094.

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Garibaldi BT and Russell SW. Strategies to Improve Bedside Clinical Skills Teaching. *CHEST*. 2021 Jul 6. PMID: **34242633**

Garibaldi BT, Elder A. Seven reasons why the physical examination remains important. *J R Coll Physicians Edinb*. 2021 Sep;51(3):211-214. doi: 10.4997/JRCPE.2021.301. PMID: 34528605.

Hughes MT, Auwaerter PG, Ehmann MR, **Garibaldi BT**, Golden SH, Lorigiano TJ, O’Conor KJ, Kachalia A, Kahn J. Opinion: The importance of offering vaccine choice in the fight against COVID-19. *Proceedings of the National Academy of Sciences Oct* 2021, 118 (43) e2117185118; DOI: 10.1073/pnas.2117185118

1/4/2021 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

1/25/2021 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

2/22/2021 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

3/11/2021 Live appearance on [Yahoo Finance](#) (online news program –100 million international viewers monthly).

Israni, Sonoo Thadanev

Kothari, Nayan

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Financial Report

This year has continued to be a year of financial growth for the Society of Bedside Medicine and we deeply thank our individual and institutional members who have contributed to our organization's financial solvency. We have also had several generous donors who have given gifts in honor of patients who have passed away. With the funding we have received we are dedicated to using our assets to promote our mission of fostering a culture of bedside teaching through deliberate practice and teaching, and encouraging innovation in education and research on the role of the clinical encounter in 21st century medicine.

The organization began the year of 2021 with a balance of \$118,117.04 and our current net account balance was \$ 125,832.58 as of December 31, 2021. The income earned by our organization has contributed to promoting bedside teaching through the licensing of Blaufuss software that helps our individual members improve cardiac examination skills at the bedside and supporting education through funding faculty travel to teach across the country and the world.

Goals for 2022-2023

Throughout the course of the year, we will continue to engage in the four core missions of the society: education, innovation, diversity/inclusion and research on the role of the clinical encounter in 21st century medicine.

Education

- We will develop and administer teaching and faculty development activities on a national and international level. In addition to our annual meeting at Stanford, we will sponsor a number of educational activities such as a workshop at the national ACP meeting.
- We are in the process of developing and testing the 10 Minute Moment a unique new assessment and feedback model for the physical exam at the bedside. After validation of the 10 Minute Moment by a modified Delphi panel we will test this approach in a pilot study and then introduce this model to a wider audience.
- We are starting a collaboration with FAIMER to develop questions to assess International Medical Graduates knowledge and skills in the physical exam and interpretation of physical exam findings.

Innovation

We will continue to partner with our institutional and individual members to create innovative content that can be used to both teach and assess bedside clinical skill. The Assessment of Physical Examination and Communication Skills (APECS) is an important component of the Graduate Medical Education Laboratory (GEL) study. This formative clinical skills assessment is an exciting way to teach fundamental bedside skill while also providing a way to gauge the "pulse" of bedside skill at a given institution. Johns Hopkins is in its third year of APECS where it has received rave reviews from both housestaff and faculty alike. UAB and Stanford started APECS in 2020 and are planning to offer many more sessions throughout 2021. We have plan to offer APECS to a wider audience in the coming years.

Diversity/Inclusion

We will continue to focus on emphasizing diversity, equity, inclusion and racial justice in teaching and researching bedside medicine skills. In January 2021, the SBM board launched a new DEI Initiative led by Board Members: Anna Dover, Lars Osterberg, Sonoo Thadaney Israni. We hope to attract new board members from diverse ethnic and cultural backgrounds who have a passion to bring bedside medicine skills to their communities.

Research

We hope to continue to collaborate with our institutional members to conduct research on the current state of bedside clinical skills teaching in both undergraduate and graduate medical education. We hope to build a body of evidence supporting the enduring importance of bedside clinical skills. We believe that improving bedside skill will reduce diagnostic error, decrease cost of care, and improve both patient and provider satisfaction with the clinical encounter. We are uniquely positioned as a society to conduct multi-center research projects in each of these important areas. The GBM fellowship and The GEL study are the first in what we hope will be many multi-center collaborations featuring the Society of Bedside Medicine