



Blair Llewellyn Bigham

- Fellow in Anesthesiology, Perioperative and Pain Medicine
- Affiliate, Dean's Office Operations - Dean Other
- 📄 Curriculum Vitae available Online

Bio

BIO

Blair is a critical care fellow at Stanford, an attending emergency physician at St Michael's Toronto, and a medical journalist. Born and raised in Toronto, his training has taken him to New York, London, Perth, Cape Town and now the San Francisco Bay area. He completed his science training at University of Toronto, his medical training at McMaster University and his journalism training at the Munk School of Global Affairs. He is a guideline author with the American Heart Association and a collaborator with the CIHR-funded Canadian Sepsis Network. His breaking and investigative journalism has been published in all three of Canada's national newspapers and he frequently appears on television and radio. He has won awards for his scientific work and journalism, and has been recognized as a national leader in Canadian healthcare and health advocacy.

CLINICAL FOCUS

- Fellow
- Critical care and emergency medicine

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Director, Canadian Association of Emergency Physicians (2017 - 2018)
- Vice-Chair, MedicAlert Foundation Canada (2013 - present)

INTERNET LINKS

- www.blairbigham.com: www.blairbigham.com

Publications

PUBLICATIONS

- **The effect of team and leadership training of advanced life support providers on patient outcomes: A systematic review.** *Resuscitation*
Kuzovlev, A., Monsieurs, K. G., Gilfoyle, E., Finn, J., Greif, R., Education, I., Bigham, B. L., Breckwoldt, J., Cheng, A., Duff, J. P., Hsieh, M., Iwami, T., Lockey, et al
2021
- **Into the abyss.** *The Lancet. Respiratory medicine*
Bigham, B. n.
2021
- **Diagnosis of Out-of-Hospital Cardiac Arrest by Emergency Medical Dispatch: A Diagnostic Systematic Review.** *Resuscitation*
Drennan, I. R., Geri, G., Brooks, S., Couper, K., Hatanaka, T., Kudenchuk, P., Olasveengen, T., Pellegrino, J., Schexnayder, S. M., Morley, P., Basic Life Support (BLS), P. L., BLS Task Force, Pediatric Task Force, EIT Task Force, et al
2020

- **Education, Implementation, and Teams 2020 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations** *RESUSCITATION*
Greif, R., Bhanji, F., Bigham, B. L., Bray, J., Breckwoldt, J., Cheng, A., Duff, J. P., Gilfoyle, E., Hsieh, M., Iwami, T., Lauridsen, K. G., Lockey, A. S., Ma, et al
2020; 156: A188–A239
- **The effect of system performance improvement on patients with cardiac arrest: a systematic review.** *Resuscitation*
Ko, Y., Hsieh, M., Ma, M. H., Bigham, B., Bhanji, F., Greif, R., Education, I. a., of the International Liaison Committee on Resuscitation (ILCOR), Bray, J., Breckwoldt, J., Duff, J. P., Lauridsen, K. G., Cheng, A., et al
2020
- **Education, Implementation, and Teams 2020 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations** *CIRCULATION*
Greif, R., Bhanji, F., Bigham, B. L., Bray, J., Breckwoldt, J., Cheng, A., Duff, J. P., Gilfoyle, E., Hsieh, M., Iwami, T., Lauridsen, K. G., Lockey, A. S., Ma, et al
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- **Canadian emergency medicine and critical care physician perspectives on pandemic triage in COVID-19.** *Journal of emergency management (Weston, Mass.)*
Mulla, A., Bigham, B. L., Frolic, A., Christian, M. D.
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- **2019 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations Summary From the Basic Life Support; Advanced Life Support; Pediatric Life Support; Neonatal Life Support; Education, Implementation, and Teams; and First Aid Task Forces** *CIRCULATION*
Soar, J., Maconochie, I., Wyckoff, M. H., Olasveengen, T. M., Singletary, E. M., Greif, R., Aickin, R., Bhanji, F., Donnino, M. W., Mancini, M. E., Wyllie, J. P., Zideman, D., Andersen, et al
2019; 140 (24): E826–E880
- **Attitudes of emergency department physicians and nurses toward implementation of an early warning score to identify critically ill patients: qualitative explanations for failed implementation** *CANADIAN JOURNAL OF EMERGENCY MEDICINE*
Bigham, B. L., Chan, T., Skitch, S., Fox-Robichaud, A.
2019; 21 (2): 269–73
- **Unintentional use of the word "accident"?** *CLINICAL TOXICOLOGY*
Bigham, B. L., Harding, S. A., Goldfrank, L. R.
2019; 57 (1): 73–74
- **Position Statement on Resident Wellness** *CANADIAN JOURNAL OF EMERGENCY MEDICINE*
Taher, A., Crawford, S., Koczerginski, J., Argintaru, N., Beaumont-Boileau, R., Hart, A., Bigham, B.
2018; 20 (5): 671–84
- **Social Media and the 21st-Century Scholar: How You Can Harness Social Media to Amplify Your Career** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
Chan, T. M., Stukus, D., Leppink, J., Duque, L., Bigham, B. L., Mehta, N., Thoma, B.
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- **Adding value to scholarship in residency: Supporting and inspiring future emergency medicine research in Canada** *CANADIAN JOURNAL OF EMERGENCY MEDICINE*
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- **2017 American Heart Association Focused Update on Pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality An Update to the American Heart Association Guidelines for Cardio-pulmonary Resuscitation and Emergency Cardiovascular Care** *CIRCULATION*
Atkins, D. L., de Caen, A. R., Berger, S., Samson, R. A., Schexnayder, S. M., Joyner, B. L., Bigham, B. L., Niles, D. E., Duff, J. P., Hunt, E. A., Meaney, P. A.
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- **Going Viral and Interacting with the Press** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*
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2016; 18 (3): 223–29
- **National Prehospital Evidence-Based Guidelines Strategy: A Summary for EMS Stakeholders.** *Prehospital emergency care : official journal of the National Association of EMS Physicians and the National Association of State EMS Directors*
Martin-Gill, C. n., Gaither, J. B., Bigham, B. L., Myers, J. B., Kupas, D. F., Spaite, D. W.
2016; 20 (2): 175–83
- **Collaboration, not stagnation, defines Ontario EMS** *CANADIAN JOURNAL OF EMERGENCY MEDICINE*
Bigham, B., Welsford, M., Verbeek, P.
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- **Effect of gender on outcome of out of hospital cardiac arrest in the Resuscitation Outcomes Consortium.** *Resuscitation*
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- **Part 8: Education, Implementation, and Teams: 2015 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations.** *Circulation*
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- **Paramedic self-reported exposure to violence in the emergency medical services (EMS) workplace: a mixed-methods cross-sectional survey.** *Prehospital emergency care : official journal of the National Association of EMS Physicians and the National Association of State EMS Directors*
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- **The Canadian National EMS Research Agenda: a mixed methods consensus study.** *CJEM*
Jensen, J. L., Bigham, B. L., Blanchard, I. E., Dainty, K. N., Socha, D. n., Carter, A. n., Brown, L. H., Travers, A. H., Craig, A. M., Brown, R. n., Morrison, L. J.
2013; 15 (2): 73–82
- **What is the role of chest compression depth during out-of-hospital cardiac arrest resuscitation?.** *Critical care medicine*
Stiell, I. G., Brown, S. P., Christenson, J. n., Cheskes, S. n., Nichol, G. n., Powell, J. n., Bigham, B. n., Morrison, L. J., Larsen, J. n., Hess, E. n., Vaillancourt, C. n., Davis, D. P., Callaway, et al
2012; 40 (4): 1192–98
- **PATIENT SAFETY IN EMERGENCY MEDICAL SERVICES: A SYSTEMATIC REVIEW OF THE LITERATURE** *PREHOSPITAL EMERGENCY CARE*
Bigham, B. L., Buick, J. E., Brooks, S. C., Morrison, M., Shojania, K. G., Morrison, L. J.
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- **Relationship between chest compression rates and outcomes from cardiac arrest.** *Circulation*
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Reinier, K., Thomas, E., Andrusiek, D. L., Aufderheide, T. P., Brooks, S. C., Callaway, C. W., Pepe, P. E., Rea, T. D., Schmicker, R. H., Vaillancourt, C., Chugh, S. S., Resuscitation Outcomes Consortium
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- **A Trial of an Impedance Threshold Device in Out-of-Hospital Cardiac Arrest** *NEW ENGLAND JOURNAL OF MEDICINE*
Aufderheide, T. P., Nichol, G., Rea, T. D., Brown, S. P., Leroux, B. G., Pepe, P. E., Kudenchuk, P. J., Christenson, J., Daya, M. R., Dorian, P., Callaway, C. W., Idris, A. H., Andrusiek, et al
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- **Early versus Later Rhythm Analysis in Patients with Out-of-Hospital Cardiac Arrest** *NEW ENGLAND JOURNAL OF MEDICINE*
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- **Mechanical versus manual chest compressions for cardiac arrest.** *The Cochrane database of systematic reviews*
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- **Patient safety in emergency medical services: executive summary and recommendations from the Niagara Summit.** *CJEM*
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- **Trauma in the neighborhood: a geospatial analysis and assessment of social determinants of major injury in North America.** *American journal of public health*

- Newgard, C. D., Schmicker, R. H., Sopko, G. n., Andrusiek, D. n., Bialkowski, W. n., Minei, J. P., Brasel, K. n., Bulger, E. n., Fleischman, R. J., Kerby, J. D., Bigham, B. L., Warden, C. R.
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 - **Perishock pause: an independent predictor of survival from out-of-hospital shockable cardiac arrest.** *Circulation*
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2011; 11: 15
 - **EMS Provider and Patient Safety during Response and Transport: Proceedings of an Ambulance Safety Conference.** *Prehospital emergency care : official journal of the National Association of EMS Physicians and the National Association of State EMS Directors*
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2011; 16 (1): 3–19
 - **Chest Compression Rates Used During Out-of-Hospital Cardiopulmonary Resuscitation in Nine Resuscitation Outcomes Consortium Regional Sites**
Idris, A. H., Nichols, P., Schroeder, D., Everson-Stewart, S., Powell, J. L., Callaway, C. W., Morrison, L., Aufderheide, T. P., Rea, T., Atkins, D., Berg, R., Bigham, B., Davis, et al
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 - **Peri-Shock Pause: an Independent Predictor of Survival From Out-of-Hospital Shockable Cardiac Arrest**
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 - **Effect of Gender on Outcome of Out of Hospital Cardiac Arrest in the Resuscitation Outcomes Consortium**
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 - **Knowledge translation in emergency medical services: A qualitative survey of barriers to guideline implementation** *RESUSCITATION*
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Bigham, B. L., Koprowicz, K., Aufderheide, T. P., Davis, D. P., Donn, S., Powell, J., Suffoletto, B., Nafziger, S., Stouffer, J., Idris, A., Morrison, L. J., ROC Investigators
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 - **A Critical Assessment of the Out-of-Hospital Trauma Triage Guidelines for Physiologic Abnormality** *JOURNAL OF TRAUMA-INJURY INFECTION AND CRITICAL CARE*
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- **Predicting survival after out-of-hospital cardiac arrest: role of the Utstein data elements.** *Annals of emergency medicine*
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- **Barriers to Guideline Implementation: A Qualitative Survey of Emergency Medical Services**
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- **Patients with an AED Applied by a Bystander In a Public Setting have a Strikingly Higher Frequency of VT/VF Than Observed Cardiac Arrests in the Home**
Weisfeldt, M. L., Sitlani, C., Rea, T., Atkins, D., Aufderheide, T. P., Bigham, B., Brooks, S., Foerster, C., Ornato, J. P., Powell, J., Van Ottingham, L., Morrison, L. J.
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