




Peter Meaney

Clinical Professor, Pediatrics - Critical Care

 NIH Biosketch available Online

 Curriculum Vitae available Online

 Resume available Online

CLINICAL OFFICE (PRIMARY)

- **Division of Pediatric Critical Care**

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

I am a Pediatric Critical Care physician with specific expertise in resuscitation science. My research addresses the barriers to quality care for critically ill children in resource-limited environments. Using epidemiological as well as quantitative and qualitative studies, we promote implementation of essential care best practices to providers in rural African healthcare settings. This work has been done in collaboration with colleagues at Catholic University of Health and Allied Sciences in Tanzania, London School of Hygiene and Tropical Medicine as well as Kenya Medical Research Institute – Wellcome Trust Research Program. Globally, I have developed, implemented, and led education programs at 11 sites in 8 countries. Funded by the Laerdal Foundation for Acute Medicine, I conducted the largest CPR training study to date in LMICs and demonstrated teaching paradigms were equally effective to conventional (face-to-face) education. I have led the development of Operation Smile's Peri-operative pediatrician training program, their modified pre-surgical Pediatric Advanced Life Support training to test resuscitation readiness the mission surgical team. I was funded by the American Heart Association to develop Helping Children Survive, a novel, high-intensity training, and supervision program in collaboration with the Ministry of Health and University of Botswana for community and district hospital-based providers to improve quality of pediatric acute care in clinics, primary and district hospitals. After a successful pilot, we then scaled to the district level. In addition, we piloted a remote assessment of providers' skills as well as adapted this contextualization approach for referral level providers. These initial studies represent some of the only research of training provider in low- and middle-income countries in pediatric acute care knowledge and skills.

My research demonstrated that although traditional training was valued, needed and impactful, large-scale implementation in LMICs is hampered by the lack of implementation strategies that can adapt to the diverse health systems that exist in LMICs. These limitations have led me to focus on the use of adaptive eLearning as to improve provider proficiency. I moved to Stanford in 2018 to capitalize on the education and technology community and anticipate this work to be the foundation of a novel approach for training healthcare providers worldwide. My research focus in Tanzania has been the developing and refining our intervention, Pediatric Acute Care Education (PACE), an innovative adaptive e-learning environment to increase provider proficiency in newborn and pediatric acute care in LMICs. Funded by the Center for Innovation in Global Health, Laerdal Foundation as well as the Maternal Child Health Research Institute at Stanford, we are utilizing a mixed methods approach to optimize PACE implementation.

CLINICAL FOCUS

- Pediatric Critical Care Medicine

ACADEMIC APPOINTMENTS

- Clinical Professor, Pediatrics - Critical Care
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Associate Program Director, T-32 Pediatric Subspecialty Global Health Fellowship, (2022- present)

HONORS AND AWARDS

- Global Health Faculty Fellow, Center for Innovation in Global Health (CIGH)

PROFESSIONAL EDUCATION

- Medical Education: Virginia Commonwealth University School of Medicine (1998) VA
- MPH, Harvard School of Public Health , Quantitative Methods (2004)
- Fellowship: Childrens Hospital of Philadelphia Pediatric Critical Care Fellowship (2005) PA
- Board Certification: Pediatric Critical Care Medicine, American Board of Pediatrics (2006)
- Board Certification: Pediatrics, American Board of Pediatrics (2002)
- Residency: University of Massachusetts Medicine and Pediatric Residency (2002) MA

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Meaney is a nationally and internationally recognized pediatric resuscitation scientist, and his current focus is on improving care for seriously ill children at the community clinic and district hospital level in low and middle income countries. Dr Meaney seeks to conduct the necessary research to pioneer, implement and evaluate innovative yet relevant and practical solutions to improve the quality of care for seriously ill or injured children worldwide.

CLINICAL TRIALS

- Enhancing Pediatric Acute Care Through Adaptive E-Learning and In-Person Skills Practice in Tanzania, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Pediatric Critical Care Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Evaluating the implementation of the Pediatric Acute Care Education (PACE) program in northwestern Tanzania: a mixed-methods study guided by normalization process theory.** *BMC health services research*
Mwanga, J. R., Hokororo, A., Ndosu, H., Masenge, T., Kalabamu, F. S., Tawfik, D., Mediratta, R. P., Rozenfeld, B., Berg, M., Smith, Z. H., Chami, N., Mkopi, N. P., Mwanga, et al
2024; 24 (1): 1066
- **Evaluating the Implementation of the Pediatric Acute Care Education (PACE) Program in Northwestern Tanzania: A Mixed-Methods Study Guided by Normalization Process Theory.** *Research square*

- Mwanga, J. R., Hokororo, A., Ndosi, H., Masenge, T., Kalabamu, F. S., Tawfik, D., Mediratta, R. P., Rozenfeld, B., Berg, M., Smith, Z. H., Chami, N., Mkopi, N. P., Mwanga, et al
2024
- **Implementing adaptive e-learning for newborn care in Tanzania: an observational study of provider engagement and knowledge gains.** *BMJ open*
Meaney, P. A., Hokororo, A., Ndosi, H., Dahlen, A., Jacob, T., Mwanga, J. R., Kalabamu, F. S., Joyce, C. L., Mediratta, R., Rozenfeld, B., Berg, M., Smith, Z. H., Chami, et al
2024; 14 (2): e077834
 - **Physical Realism of Simulation Training for Health Care in Low- and Middle-Income Countries-A Systematic Review.** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*
Issa, M., Furia, F., Whaiba, A., Meaney, P. A., Shilkofski, N., Donoghue, A., Lockey, A., Society for Simulation in Healthcare
2024; 19 (1S): S41-S49
 - **Development of pediatric acute care education (PACE): An adaptive electronic learning (e-learning) environment for healthcare providers in Tanzania.** *Digital health*
Meaney, P. A., Hokororo, A., Masenge, T., Mwanga, J., Kalabamu, F. S., Berg, M., Rozenfeld, B., Smith, Z., Chami, N., Mkopi, N., Mwanga, C., Agweyu, A.
2023; 9: 20552076231180471
 - **Feasibility of an Adaptive E-Learning Environment to Improve Provider Proficiency in Essential and Sick Newborn Care in Mwanza, Tanzania.** *medRxiv : the preprint server for health sciences*
Meaney, P., Hokororo, A., Ndosi, H., Dahlen, A., Jacob, T., Mwanga, J. R., Kalabamu, F. S., Joyce, C., Mediratta, R., Rozenfeld, B., Berg, M., Smith, Z., Chami, et al
2023
 - **Knowledge acquisition and retention following Saving Children's Lives course for healthcare providers in Botswana: a longitudinal cohort study.** *BMJ open*
Meaney, P. A., Joyce, C. L., Setlhare, S., Smith, H. E., Mensinger, J. L., Zhang, B., Kalenga, K., Kloeck, D., Kgosiesele, T., Jibril, H., Mazhani, L., de Caen, A., Steenhoff, et al
2019; 9 (8): e029575
 - **Feasibility and preliminary validity evidence for remote video-based assessment of clinicians in a global health setting.** *PloS one*
Smith, K. A., Setlhare, S. n., DeCaen, A. n., Donoghue, A. n., Mensinger, J. L., Zhang, B. n., Snow, B. n., Zambo, D. n., Ndlovu, K. n., Littman-Quinn, R. n., Bhanji, F. n., Meaney, P. A.
2019; 14 (8): e0220565
 - **Knowledge Accrual Following Participation in Pediatric Fundamental Critical Care Support Course in Gaborone, Botswana*** *PEDIATRIC CRITICAL CARE MEDICINE*
Cox, M., Afonso, N., Mazhani, L., Kloeck, D., Mysore, M., Roy, K., Setlhare, S., Daman, T., Meaney, P. A.
2018; 19 (8): E417-E424
 - **Healthcare Access and Quality Index based on mortality from causes amenable to personal health care in 195 countries and territories, 1990-2015: a novel analysis from the Global Burden of Disease Study 2015.** *Lancet (London, England)*
2017
 - **Impact of contextualized pediatric resuscitation training on pediatric healthcare providers in Botswana** *RESUSCITATION*
Wright, S. W., Steenhoff, A. P., Elci, O., Wolfe, H. A., Ralston, M., Kgosiesele, T., Makone, I., Mazhani, L., Nadkarni, V. M., Meaney, P. A.
2015; 88: 57-62
 - **Cardiopulmonary Resuscitation Quality: Improving Cardiac Resuscitation Outcomes Both Inside and Outside the Hospital: A Consensus Statement From the American Heart Association (vol 128, pg 417, 2013)** *CIRCULATION*
Meaney, P. A.
2013; 128 (20): E408
 - **Training hospital providers in basic CPR skills in Botswana: Acquisition, retention and impact of novel training techniques** *RESUSCITATION*
Meaney, P. A., Sutton, R. M., Tsimba, B., Steenhoff, A. P., Shilkofski, N., Boulet, J. R., Davis, A., Kestler, A. M., Church, K. K., Niles, D. E., Irving, S. Y., Mazhani, L., Nadkarni, et al
2012; 83 (12): 1484-90

- **Resuscitation training in developing countries: A systematic review** *RESUSCITATION*
Meaney, P. A., Topjian, A. A., Chandler, H. K., Botha, M., Soar, J., Berg, R. A., Nadkarni, V. M.
2010; 81 (11): 1462–72
- **FEASIBILITY TRIAL OF ADAPTIVE ELECTRONIC LEARNING FOR PEDIATRIC HEALTHCARE WORKERS IN TANZANIA**
Smith, Z., Hokororo, A., Masenge, T., Mwanga, J., Kalabamu, S., Berg, M., Rozenfeld, B., Xwatsal, E., Pastory, N., Msoke, I., Ndosi, H., Chami, N., Mkopi, et al
LIPPINCOTT WILLIAMS & WILKINS.2023: 423
- **FEASIBILITY TRIAL OF ADAPTIVE ELECTRONIC LEARNING FOR PEDIATRIC HEALTHCARE WORKERS IN TANZANIA**
Smith, Z., Hokororo, A., Masenge, T., Mwanga, J., Kalabamu, S., Berg, M., Rozenfeld, B., Xwatsal, E., Pastory, N., Msoke, I., Ndosi, H., Chami, N., Mkopi, et al
LIPPINCOTT WILLIAMS & WILKINS.2023: 423
- **Improved survival to hospital discharge in pediatric in-hospital cardiac arrest using 2 Joules/kilogram as first defibrillation dose for initial pulseless ventricular arrhythmia.** *Resuscitation*
Hoyme, D. B., Zhou, Y., Girotra, S., Haskell, S. E., Samson, R. A., Meaney, P., Berg, M., Nadkarni, V. M., Berg, R. A., Hazinski, M. F., Lasa, J. J., Atkins, D. L.
2020
- **Cardiac Arrest and Cardiopulmonary Resuscitation Outcome Reports: Update of the Utstein Resuscitation Registry Template for In-Hospital Cardiac Arrest A Consensus Report From a Task Force of the International Liaison Committee on Resuscitation (American Heart Association, European Resuscitation Council, Australian and New Zealand Council on Resuscitation, Heart and Stroke Foundation of Canada, InterAmerican Heart Foundation, Resuscitation Council of Southern Africa, Resuscitation Council of Asia)** *RESUSCITATION*
Nolan, J. P., Berg, R. A., Andersen, L. W., Bhanji, F., Chan, P. S., Donnino, M. W., Lim, S., Ma, M., Nadkarni, V. M., Starks, M. A., Perkins, G. D., Morley, P. T., Soar, et al
2019; 144: 166–77
- **Paediatric targeted temperature management post cardiac arrest: A systematic review and meta-analysis** *RESUSCITATION*
Buick, J. E., Wallner, C., Aickin, R., Meaney, P. A., de Caen, A., Maconochie, I., Skifvars, M. B., Welsford, M., Atkins, D., Bingham, R., Couto, T., Guerguerian, A., Hazinski, et al
2019; 139: 65–75
- **A systematic review and meta-analysis of the effect of dispatcher-assisted CPR on outcomes from sudden cardiac arrest in adults and children** *RESUSCITATION*
Nikolaou, N., Dainty, K. N., Couper, K., Morley, P., Tijssen, J., Vaillancourt, C., Olasveegen, T., Mancini, M., Travers, A., Lofgren, B., Nishiyama, C., Stanton, D., Ristagno, et al
2019; 138: 82-105
- **Paediatric targeted temperature management post cardiac arrest: A systematic review and meta-analysis.** *Resuscitation*
Buick, J. E., Wallner, C., Aickin, R., Meaney, P. A., de Caen, A., Maconochie, I., Skifvars, M. B., Welsford, M., International Liaison Committee on Resuscitation Pediatric Life Support Task Force, Meaney, P., Aickin, R., de Caen, A., Maconochie, I., et al
2019
- **2018 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations Summary** *CIRCULATION*
Soar, J., Donnino, M. W., Maconochie, I., Aickin, R., Atkins, D. L., Andersen, L. W., Berg, K. M., Bingham, R., Boettiger, B. W., Callaway, C. W., Couper, K., Couto, T., de Caen, et al
2018; 138 (23): E714–E730
- **2018 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations Summary** *RESUSCITATION*
Soar, J., Donnino, M. W., Maconochie, I., Aickin, R., Atkins, D. L., Andersen, L. W., Berg, K. M., Bingham, R., Boettiger, B. W., Callaway, C. W., Couper, K., Couto, T., de Caen, et al
2018; 133: 194–206
- **Effect of Defibrillation Dose and Waveform Characteristics on Defibrillation Success in Pediatric In-Hospital Cardiac Arrest**
Raymond, T. T., Duval-Arnould, J., Quan Weilun, Chai, S., Ryerson, L., Lasa, J., Meaney, P., Berg, R., Nadkarni, V., Niles, D., Silver, A., de Caen, A., Atkins, D.
LIPPINCOTT WILLIAMS & WILKINS.2018

- **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.
2018; 137 (1): E1–E6
- **2017 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations Summary** *CIRCULATION*
Olasveengen, T. M., de Caen, A. R., Mancini, M. E., Maconochie, I. K., Aickin, R., Atkins, D. L., Berg, R. A., Bingham, R. M., Brooks, S. C., Castren, M., Chung, S., Considine, J., Couto, et al
2017; 136 (23): E424–E440
- **2017 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations Summary** *RESUSCITATION*
Olasveengen, T. M., de Caen, A. R., Mancini, M. E., Maconochie, I. K., Aickin, R., Atkins, D. L., Berg, R. A., Bingham, R. M., Brooks, S. C., Castren, M., Chung, S., Considine, J., Couto, et al
2017; 121: 201–14
- **Don't wait for the weight** *RESUSCITATION*
Fowler, J. C., Woods-Hill, C. Z., Meaney, P. A.
2017; 117: A3–A4
- **Improved Retention of Chest Compression Psychomotor Skills With Brief "Rolling Refresher" Training** *SIMULATION IN HEALTHCARE-JOURNAL OF THE SOCIETY FOR SIMULATION IN HEALTHCARE*
Niles, D. E., Nishisaki, A., Sutton, R. M., Elci, O. U., Meaney, P. A., O'Connor, K. A., Leffelman, J., Kramer-Johansen, J., Berg, R. A., Nadkarni, V.
2017; 12 (4): 213–19
- **Child and Adolescent Health From 1990 to 2015 Findings From the Global Burden of Diseases, Injuries, and Risk Factors 2015 Study** *JAMA PEDIATRICS*
Kassebaum, N., Hmwe Kyu, H., Zoeckler, L., Elizabeth Olsen, H., Thomas, K., Pinho, C., Bhutta, Z. A., Dandona, L., Ferrari, A., Ghiwot, T., Hay, S. I., Kinfu, Y., Liang, et al
2017; 171 (6): 573–92
- **Survival Rates Following Pediatric In-Hospital Cardiac Arrests During Nights and Weekends** *JAMA PEDIATRICS*
Bhanji, F., Topjian, A. A., Nadkarni, V., Praestgaard, A. H., Hunt, E. A., Cheng, A., Meaney, P. A., Berg, R. A., Amer Heart Assoc Get Guidelines-Re
2017; 171 (1): 39–45
- **Global, regional, and national life expectancy, all-cause mortality, and cause-specific mortality for 249 causes of death, 1980-2015: a systematic analysis for the Global Burden of Disease Study 2015** *LANCET*
Wang, H., Naghavi, M., Allen, C., Barber, R. M., Bhutta, Z. A., Carter, A., Casey, D. C., Charlson, F. J., Chen, A. Z., Coates, M. M., Coggeshall, M., Dandona, L., Dicker, et al
2016; 388 (10053): 1459-1544
- **Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015.** *Lancet (London, England)*
GBD 2015 Disease and Injury Incidence and Prevalence Collaborators, Vos, T., Allen, C., Arora, M., Barber, R. M., Bhutta, Z. A., Brown, A., Carter, A., Casey, D. C., Charlson, F. J., Chen, A. Z., Coggeshall, M., Cornaby, L., et al
2016; 388 (10053): 1545-1602
- **Global, regional, national, and selected subnational levels of stillbirths, neonatal, infant, and under-5 mortality, 1980-2015: a systematic analysis for the Global Burden of Disease Study 2015** *LANCET*
Wang, H., Bhutta, Z. A., Coates, M. M., Coggeshall, M., Dandona, L., Diallo, K., Franca, E., Fraser, M., Fullman, N., Gething, P. W., Hay, S. I., Kinfu, Y., Kita, et al
2016; 388 (10053): 1725–74
- **Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015** *LANCET*
Forouzanfar, M. H., Afshin, A., Alexander, L. T., Anderson, H. R., Bhutta, Z. A., Biryukov, S., Brauer, M., Burnett, R., Cercy, K., Charlson, F. J., Cohen, A. J., Dandona, L., Estep, et al
2016; 388 (10053): 1659-1724

- **Global, regional, and national disability-adjusted life-years (DALYs) for 315 diseases and injuries and healthy life expectancy (HALE), 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015** *LANCET*
Kassebaum, N. J., Arora, M., Barber, R. M., Bhutta, Z. A., Carter, A., Casey, D. C., Charlson, F. J., Coates, M. M., Coggeshall, M., Cornaby, L., Dandona, L., Dicker, D. J., Erskine, et al
2016; 388 (10053): 1603-1658
- **Global, regional, and national levels of maternal mortality, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015** *LANCET*
Kassebaum, N. J., Barber, R. M., Bhutta, Z. A., Dandona, L., Gething, P. W., Hay, S. I., Kinfu, Y., Larson, H. J., Liang, X., Lim, S. S., Lopez, A. D., Lozano, R., Mensah, et al
2016; 388 (10053): 1775-1812
- **Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015** *LANCET*
Vos, T., Allen, C., Arora, M., Barber, R. M., Bhutta, Z. A., Brown, A., Carter, A., Casey, D. C., Charlson, F. J., Chen, A. Z., Coggeshall, M., Cornaby, L., Dandona, et al
2016; 388 (10053): 1545-1602
- **Measuring the health-related Sustainable Development Goals in 188 countries: a baseline analysis from the Global Burden of Disease Study 2015** *LANCET*
Lim, S. S., Allen, K., Bhutta, Z. A., Dandona, L., Forouzanfar, M. H., Fullman, N., Gething, P. W., Goldberg, E. M., Hay, S. I., Holmberg, M., Kinfu, Y., Kutz, M. J., Larson, et al
2016; 388 (10053): 1813-1850
- **Physiologic monitoring of CPR quality during adult cardiac arrest: A propensity-matched cohort study** *RESUSCITATION*
Sutton, R. M., French, B., Meaney, P. A., Topjian, A. A., Parshuram, C. S., Edelson, D. P., Schexnayder, S., Abella, B. S., Merchant, R. M., Bembea, M., Berg, R. A., Nadkarni, V. M., Amer Heart Assoc Get With
2016; 106: 76-82
- **Estimates of global, regional, and national incidence, prevalence, and mortality of HIV, 1980-2015: the Global Burden of Disease Study 2015** *LANCET HIV*
Wang, H., Wolock, T. M., Carter, A., Nguyen, G., Kyu, H. H., Gakidou, E., Hay, S. I., Mills, E. J., Trickey, A., Msemburi, W., Coates, M. M., Mooney, M. D., Fraser, et al
2016; 3 (8): E361-E387
- **The global burden of injury: incidence, mortality, disability-adjusted life years and time trends from the Global Burden of Disease study 2013** *INJURY PREVENTION*
Haagsma, J. A., Graetz, N., Bolliger, I., Naghavi, M., Higashi, H., Mullany, E. C., Abera, S., Abraham, J., Adofo, K., Alsharif, U., Ameh, E. A., Ammar, W., Antonio, et al
2016; 22 (1): 3-18
- **Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks in 188 countries, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013** *LANCET*
Forouzanfar, M. H., Alexander, L., Anderson, H. R., Bachman, V. F., Biryukov, S., Brauer, M., Burnett, R., Casey, D., Coates, M. M., Cohen, A., Delwiche, K., Estep, K., Frostad, et al
2015; 386 (10010): 2287-2323
- **Global, regional, and national disability-adjusted life years (DALYs) for 306 diseases and injuries and healthy life expectancy (HALE) for 188 countries, 1990-2013: quantifying the epidemiological transition** *LANCET*
Murray, C. J., Barber, R. M., Foreman, K. J., Ozgoren, A. A., Abd-Allah, F., Abera, S. F., Aboyans, V., Abraham, J. P., Abubakar, I., Abu-Raddad, L. J., Abu-Rmeileh, N. M., Achoki, T., Ackerman, et al
2015; 386 (10009): 2145-2191
- **Part 11: Pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care** *CIRCULATION*
Atkins, D. L., Berger, S., Duff, J. P., Gonzales, J. C., Hunt, E. A., Joyner, B. L., Meaney, P. A., Niles, D. E., Samson, R. A., Schexnayder, S. M.
2015; 132 (18): S519-S525
- **Part 6: Pediatric Basic Life Support and Pediatric Advanced Life Support 2015 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations (Reprinted from Circulation, vol 132, pg S177-S203, 2015)** *PEDIATRICS*

- De Caen, A. R., Aickin, R., Maconochie, I. K., Atkins, D. L., Biarent, D., Guerguerian, A., Kleinman, M. E., Kloeck, D. A., Meaney, P. A., Nadkarni, V. M., Ng, K., Nuthall, G., Reis, et al
2015; 136: S88–S119
- **Part 11: Pediatric Basic Life Support and Cardiopulmonary Resuscitation Quality 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care (Reprinted from *Circulation*, vol 132, pg S519-S525, 2015) *PEDIATRICS***
Atkins, D. L., Berger, S., Duff, J. P., Gonzales, J. C., Hunt, E. A., Joyner, B. L., Meaney, P. A., Niles, D. E., Samson, R. A., Schexnayder, S. M.
2015; 136: S167-S175
 - **Part 6: Pediatric Basic Life Support and Pediatric Advanced Life Support 2015 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations *CIRCULATION***
de Caen, A. R., Maconochie, I. K., Aickin, R., Atkins, D. L., Biarent, D., Guerguerian, A., Kleinman, M. E., Kloeck, D. A., Meaney, P. A., Nadkarni, V. M., Ng, K., Nuthall, G., Reis, et al
2015; 132 (16): S177–S203
 - **Pediatric basic life support and pediatric advanced life support 2015 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations *RESUSCITATION***
Maconochie, I. K., de Caen, A. R., Aickin, R., Atkins, D. L., Biarent, D., Guerguerian, A., Kleinman, M. E., Kloeck, D. A., Meaney, P. A., Nadkarni, V. M., Ng, K., Nuthall, G., Reis, et al
2015; 95: E147–E168
 - **Global, regional, and national incidence, prevalence, and years lived with disability for 301 acute and chronic diseases and injuries in 188 countries, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013 *LANCET***
Vos, T., Barber, R. M., Bell, B., Bertozzi-Villa, A., Biryukov, S., Bolliger, I., Charlson, F., Davis, A., Degenhardt, L., Dicker, D., Duan, L., Erskine, H., Feigin, et al
2015; 386 (9995): 743-800
 - **Global, regional, and national age-sex specific all-cause and cause-specific mortality for 240 causes of death, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013 *LANCET***
Naghavi, M., Wang, H., Lozano, R., Davis, A., Liang, X., Zhou, M., Vollset, S. E., Ozgoren, A. A., Abdalla, S., Abd-Allah, F., Aziz, M. I., Abera, S. F., Aboyans, et al
2015; 385 (9963): 117-171
 - **PHYSIOLOGICAL MONITORING OF CPR QUALITY IS ASSOCIATED WITH IMPROVED SURVIVAL FROM CARDIAC ARREST**
Meaney, P., French, B., Parshuram, C., Schexnayder, S., Edelson, D., Abella, B., Merchant, R., Sutton, R.
LIPPINCOTT WILLIAMS & WILKINS.2014
 - **Global, regional, and national incidence and mortality for HIV, tuberculosis, and malaria during 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013 *LANCET***
Murray, C. J., Ortblad, K. F., Guinovart, C., Lim, S. S., Wolock, T. M., Roberts, D. A., Dansereau, E. A., Graetz, N., Barber, R. M., Brown, J. C., Wang, H., Duber, H. C., Naghavi, et al
2014; 384 (9947): 1005-1070
 - **2010 American Heart Association recommended compression depths during pediatric in-hospital resuscitations are associated with survival *RESUSCITATION***
Sutton, R. M., French, B., Niles, D. E., Donoghue, A., Topjian, A. A., Nishisaki, A., Leffelman, J., Wolfe, H., Berg, R. A., Nadkarni, V. M., Meaney, P. A.
2014; 85 (9): 1179–84
 - **Does a Resuscitation Pharmacologic Bundle of Epinephrine, Terlipressin, and Corticosteroids Improve Outcome From Asphyxial Cardiac Arrest? *PEDIATRIC CRITICAL CARE MEDICINE***
Berg, R. A., Meaney, P. A., Nadkarni, V. M.
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