

Literature Cited:

1. Darmstadt GL, Oot DA, Lawn JE: **Newborn survival: changing the trajectory over the next decade.** *Health policy and planning* 2012, **27 Suppl 3**:iii1-5.
2. Brown J, Machen H, Kawaza K, Mwanza Z, Iniguez S, Lang H, Gest A, Kennedy N, Miros R, Richards-Kortum R *et al*: **A high-value, low-cost bubble continuous positive airway pressure system for low-resource settings: technical assessment and initial case reports.** *PLoS ONE* 2013, **8**(1):e53622.
3. Kawaza K, Machen HE, Brown J, Mwanza Z, Iniguez S, Gest A, Smith EO, Oden M, Richards-Kortum RR, Molyneux E: **Efficacy of a Low-Cost Bubble CPAP System in Treatment of Respiratory Distress in a Neonatal Ward in Malawi.** *PLoS ONE* 2014, **9**(1):e86327.
4. Maynard KR, Causey L, Kawaza K, Dube Q, Lufesi N, Maria Oden Z, Richards-Kortum RR, Molyneux EM: **New technologies for essential newborn care in under-resourced areas: what is needed and how to deliver it.** *Paediatr Int Child Health* 2015, **35**(3):192-205.
5. Rohrman BA, Leautaud V, Molyneux E, Richards-Kortum RR: **A lateral flow assay for quantitative detection of amplified HIV-1 RNA.** *PLoS ONE* 2012, **7**(9):e45611.
6. Shah K, Skerrett E, Nojoomi M, Walker T, Maynard K, Pan M, Flynn B, Yuan M, Horton P, Vaughn T *et al*: **Maji: a new tool to prevent overhydration of children receiving intravenous fluid therapy in low-resource settings.** *Am J Trop Med Hyg* 2015, **92**(5):1053-1058.
7. Richards-Kortum R, Gray LV, Oden M: **Engaging undergraduates in global health technology innovation.** *Science* 2012, **336**(6080):430-431.
8. Blencowe H, Kerac M, Molyneux E: **Safety, effectiveness and barriers to follow-up using an 'early discharge' Kangaroo Care policy in a resource poor setting.** *J Trop Pediatr* 2009, **55**(4):244-248.
9. Lawn JE, Davidge R, Paul VK, von Xylander S, de Graft Johnson J, Costello A, Kinney MV, Segre J, Molyneux L: **Born too soon: care for the preterm baby.** *Reproductive health* 2013, **10 Suppl 1**:S5.
10. Moxon SG, Lawn JE, Dickson KE, Simen-Kapeu A, Gupta G, Deorari A, Singhal N, New K, Kenner C, Bhutani V *et al*: **Inpatient care of small and sick newborns: a multi-country analysis of health system bottlenecks and potential solutions.** *BMC pregnancy and childbirth* 2015, **15 Suppl 2**:S7.
11. Yoshida S, Martinez J, Lawn JE, Wall S, Souza JP, Rudan I, Cousens S, Aaby P, Adam I, Adhikari RK *et al*: **Setting research priorities to improve global newborn health and prevent stillbirths by 2025.** *Journal of global health* 2016, **6**(1):010508.
12. Liu L, Johnson HL, Cousens S, Perin J, Scott S, Lawn JE, Rudan I, Campbell H, Cibulskis R, Li M *et al*: **Global, regional, and national causes of child mortality: an updated systematic analysis for 2010 with time trends since 2000.** *Lancet* 2012, **379**(9832):2151-2161.
13. Lawn JE, Kinney M: **Preterm birth: now the leading cause of child death worldwide.** *Sci Transl Med* 2014, **6**(263):263ed221.
14. Dupas P: **Getting essential health products to their end users: subsidize, but how much?** *Science* 2014, **345**(6202):1279-1281.
15. **A Symposium Commemorating Child Health Day.** In. Edited by NIH. NIH Publication No. 92-2786
16. Palamounain KM, Stewart KA, Krauss A, Kelso D, Diermeier D: **University leadership for innovation in global health and HIV/AIDS diagnostics.** *Global public health* 2010, **5**(2):189-196.
17. Niemeier D, Gombachika H, Richards-Kortum R: **How to transform the practice of engineering to meet global health needs.** *Science* 2014, **345**(6202):1287-1290.
18. [http://www.countdown2015mnch.org/documents/CD_Malawi_July2015_2logos_FINAL2.pdf]
19. Lawn JE, Kinney MV, Black RE, Pitt C, Cousens S, Kerber K, Corbett E, Moran AC, Morrissey CS, Oestergaard MZ: **Newborn survival: a multi-country analysis of a decade of change.** *Health Policy Plan* 2012, **27 Suppl 3**:iii6-28.
20. Kinney MV, Cocoman O, Dickson KE, Daelmans B, Zaka N, Rhoda NR, Moxon SG, Kak L, Lawn JE, Khadka N *et al*: **Implementation of the Every Newborn Action Plan: Progress and lessons learned.** *Semin Perinatol* 2015, **39**(5):326-337.
21. Bhutta ZA, Das JK, Bahl R, Lawn JE, Salam RA, Paul VK, Sankar MJ, Blencowe H, Rizvi A, Chou VB *et al*: **Can available interventions end preventable deaths in mothers, newborn babies, and stillbirths, and at what cost?** *Lancet* 2014, **384**(9940):347-370.
22. Lawn JE: **The child survival revolution: what next?** *Lancet* 2014, **384**(9947):931-933.

23. Bond M, Elguea C, Yan JS, Pawlowski M, Williams J, Wahed A, Oden M, Tkaczyk TS, Richards-Kortum R: **Chromatography paper as a low-cost medium for accurate spectrophotometric assessment of blood hemoglobin concentration.** *Lab Chip* 2013, **13**(12):2381-2388.
24. Brown J, Theis L, Kerr L, Zakhidova N, O'Connor K, Uthman M, Oden ZM, Richards-Kortum R: **A hand-powered, portable, low-cost centrifuge for diagnosing anemia in low-resource settings.** *Am J Trop Med Hyg* 2011, **85**(2):327-332.
25. Chen A, Deshmukh AA, Richards-Kortum R, Molyneux E, Kawaza K, Cantor SB: **Cost-effectiveness analysis of a low-cost bubble CPAP device in providing ventilatory support for neonates in Malawi - a preliminary report.** *BMC Pediatr* 2014, **14**:288.
26. Juarez A, Maynard K, Skerrett E, Molyneux E, Richards-Kortum R, Dube Q, Oden ZM: **AutoSyP: A Low-Cost, Low-Power Syringe Pump for Use in Low-Resource Settings.** *Am J Trop Med Hyg* 2016.
27. Miller AR, Davis GL, Oden ZM, Razavi MR, Fateh A, Ghazanfari M, Abdolrahimi F, Poorazar S, Sakhaie F, Olsen RJ *et al*: **Portable, battery-operated, low-cost, bright field and fluorescence microscope.** *PLoS One* 2010, **5**(8):e11890.
28. Neumann O, Feronti C, Neumann AD, Dong A, Schell K, Lu B, Kim E, Quinn M, Thompson S, Grady N *et al*: **Compact solar autoclave based on steam generation using broadband light-harvesting nanoparticles.** *Proc Natl Acad Sci U S A* 2013, **110**(29):11677-11681.
29. Shah KG, Slough TL, Yeh PT, Gombwa S, Kiromera A, Oden ZM, Richards-Kortum RR: **Novel open-source electronic medical records system for palliative care in low-resource settings.** *BMC Palliat Care* 2013, **12**(1):31.
30. Spiegel GJ, Dinh C, Gutierrez A, Lukomnik J, Lu B, Shah K, Slough T, Yeh PT, Mirabal Y, Gray LV *et al*: **Design, evaluation, and dissemination of a plastic syringe clip to improve dosing accuracy of liquid medications.** *Ann Biomed Eng* 2013, **41**(9):1860-1868.
31. Viau Colindres J, Rountree C, Destarac MA, Cui Y, Perez Valdez M, Herrera Castellanos M, Mirabal Y, Spiegel G, Richards-Kortum R, Oden M: **Prospective randomized controlled study comparing low-cost LED and conventional phototherapy for treatment of neonatal hyperbilirubinemia.** *J Trop Pediatr* 2012, **58**(3):178-183.
32. Kumbani L, Bjune G, Chirwa E, Malata A, Odland JO: **Why some women fail to give birth at health facilities: a qualitative study of women's perceptions of perinatal care from rural Southern Malawi.** *Reproductive health* 2013, **10**:9.
33. Akseer N, Lawn JE, Keenan W, Konstantopoulos A, Cooper P, Ismail Z, Thacker N, Cabral S, Bhutta ZA: **Ending preventable newborn deaths in a generation.** *Int J Gynaecol Obstet* 2015, **131** Suppl 1:S43-48.
34. Molyneux M, Molyneux E: **Reaching Millennium Development Goal 4.** *The Lancet Global health* 2016, **4**(3):e146-147.
35. Berger TM: **Neonatal respiratory care: not how, but where and when.** *The Lancet Respiratory medicine* 2013, **1**(4):280-282.