

Miriam B. Zimmerman, PhD

College of Public Health Curriculum Vitae

Department of Biostatistics

bridget-zimmerman@uiowa.edu

March 2026

Educational and Professional History

Degrees Earned

1978	BS in Statistics, University of the Philippines at Los Banos Honors/Distinctions: Cum laude
1981	MS in Statistics, University of the Philippines at Los Banos
1984	MS in Statistics, Iowa State University
1987	PhD in Statistics and Industrial Engineering, Iowa State University

Employment History

1978 - 1979	Programmer, Policy and Technical Group, University of the Philippines at Los Banos, Laguna, Philippines
1979 - 1981	Instructor, Department of Statistics, University of the Philippines at Los Banos, Laguna, Philippines
1980 - 1981	Programmer, Department of Agronomy, University of the Philippines at Los Banos, Laguna, Philippines
1981 - 1982	Teaching Assistant, Department of Statistics, State University of New York at Buffalo, Buffalo, New York
1982 - 1987	Research Assistant, Department of Statistics, Iowa State University, Ames, Iowa
1987 - 1988	Visiting Assistant Professor, Department of Statistics, University of Iowa, Iowa City, Iowa
1988 - 1994	Assistant Research Scientist, Department of Preventive Medicine, Division of Biostatistics, University of Iowa College of Medicine, Iowa City, Iowa
1995 - 2003	Associate Research Scientist, Department of Biostatistics, College of Public Health, University of Iowa, Iowa City, Iowa
2003	Adjunct Associate Professor, Department of Biostatistics, College of Public Health, University of Iowa, Iowa City, Iowa
2003 - 2008	Clinical Associate Professor, Department of Biostatistics, College of Public Health, University of Iowa, Iowa City, Iowa
1990 - Present	Director, Biostatistics Consulting Center, Department of Biostatistics, College of Public Health, University of Iowa, Iowa City, Iowa
2008 - Present	Clinical Professor, Department of Biostatistics, College of Public Health, University of Iowa, Iowa City, Iowa
2009 - Present	Associate Director of the ICTS Biostatistics Core, Institute for Clinical and Translational Science, University of Iowa, Iowa City, Iowa

Honors and Awards

1978	Cum Laude, B.S., University of the Philippines at Los Banos
1984	Mu Sigma Rho, Statistics Honor Society, Iowa Alpha Chapter at Iowa State University
2021	Inducted into Delta Omega Honorary Society in Public Health, College of Public Health/University of Iowa, Iowa City, Iowa
2023	Faculty Service Award, College of Public Health, Iowa City, Iowa

Teaching

Course Teaching

University of Iowa

Fall 1987	Probability and Statistics, 22S:120:***, Credit Hours: 3, Enr: 20, Percent of Course: 100.0%
Fall 1987	Probability and Statistics for Engineering and Physical Sciences, 22S:39:***, Credit Hours: 3, Enr: 20, Percent of Course: 100.0%
Spring 1988	Probability and Statistics, 22S:120:***, Credit Hours: 3, Enr: 20, Percent of Course: 100.0%
Spring 1988	Probability and Statistics for Engineering and Physical Sciences, 22S:39:***, Credit Hours: 3, Enr: 20, Percent of Course: 100.0%
Spring 2005	Biostat Consulting, 171:282, Credit Hours: 1, Enr: 3, Percent of Course: 100.0%
Spring 2006	Biostat Consulting, 171:282, Credit Hours: 1, Enr: 4, Percent of Course: 100.0%
Apr 2009	Using SAS Poc Power, UI SAS Users Group
Jul 2009	Intro to SAS Programming, UI SAS Summer Institute
Aug 2010	Intro to SAS Programming, UI SAS Boot Camp
Fall 2010	Writing a Research Protocol/ Consultation Session, 173:210
Aug 2011	Sample Size/Power using SAS, UI SAS Users Group
Fall 2011	Writing a Research Protocol/ Consultation Session, 173:210
Nov 2011	Statistical Analysis and Sample Size: The Basics, UI Basic Sciences Postdoc Career Enhancement Group
Spring 2012	Epidemiology II: Advanced Methods, 173:240
Fall 2012	Writing a Research Protocol/ Consultation Session, 173:210
Spring 2013	Epidemiology II: Advanced Methods, 173:240
Aug 2013	Sample Size/Power using SAS, UI SAS Users Group
Apr 2015	Statistical Power and Sample Size Calculations, UI Basic Sciences Postdoc Career Enhancement Group
Spring 2019	Statistical Methods in Clinical Trials, BIOS:6610:0001, Credit Hours: 3, Enr: 4, Percent of Course: 100.0%
Spring 2020	Statistical Methods in Clinical Trials, BIOS:6610:0001, Credit Hours: 3, Enr: 17, Percent of Course: 50.0%

Other Institutions

Jun 2007	Sample Size in Study Design: Examples in Allergy and Immunology, Allergy and Immunology
Mar 2016	Enhancing the Reproducibility of PreClinical Science through Better Research Design and Reporting, ICTS Biostatistics Core 3-Part Lecture Series
Feb 2017	Sample Size and Power, Ophthalmology Grand Rounds
Feb 2017	Statistical Analysis: The Basics, Ophthalmology Grand Rounds

Scholarship/Professional Productivity

Publications or creative works

Peer-reviewed papers and journal articles

1. Sposito, V. A. & Tirol(Zimmerman), M. B. (1989). Computational Aspects of the Two-Way Classification Model Under L1. (Vols. 4). pp. 289-298. Computational Statistics Quarterly.
2. Brown, W. K., Zimmerman, M. B., Jenkins, R. L. & Rhodes, W. A. (1991). Recognizing delinquents who may need special help to avoid criminal conviction in adult life. (Vols. 24). (4), pp. 35-40. Juvenile and Family Court Journal. [DOI: 10.1111/j.1755-6988.1991.tb00712.x](https://doi.org/10.1111/j.1755-6988.1991.tb00712.x)
3. Zimmerman, D. L. & Zimmerman, M. B. (1991). A Monte Carlo comparison of spatial semivariogram estimators and corresponding ordinary kriging predictors. (Vols. 33). pp. 77-91. Technometrics. [DOI: 10.1080/00401706.1991.10484771](https://doi.org/10.1080/00401706.1991.10484771)
4. Pulido, J. S., Shires, T. K., Flynn, Jr., H. W., Zimmerman, M. B., Folk, J. C. & Scott, M. H. (1992). Intravitreal aminoglycoside toxicity revisited. (Vols. 110). (12), pp. 1683-1685. Archives of Ophthalmology. [PMID: 1463399.](https://pubmed.ncbi.nlm.nih.gov/1463399/)
5. Pe'er, J., Folberg, R., Massicotte, S. J., Parys-Van Ginderdeuren, R., Zimmerman, M. B., Meyer, M. L. & Worsey, H. (1992). Clinicopathologic spectrum of primary uveal melanocytic lesions in an animal model. (Vols. 99). (6), pp. 977-986. Ophthalmology. [PMID: 1630787.](https://pubmed.ncbi.nlm.nih.gov/1630787/)
6. Hayreh, S. S., Zimmerman, M. B. & Podhajsky, P. (1992). Seasonal variations in the onset of retinal vein occlusion. (Vols. 76). (12), pp. 706-710. British Journal of Ophthalmology. [PMID: 1486069.](https://pubmed.ncbi.nlm.nih.gov/1486069/)
7. Smith, R. J., Zimmerman, B., Connolly, P. K., Jerger, S. W. & Yelich, A. (1992). Screening audiometry using the high risk register in a level III nursery. (Vols. 118). pp. 1306-1311. Archives of Otolaryngology Head Neck Surgery. [PMID: 1449689.](https://pubmed.ncbi.nlm.nih.gov/1449689/)
8. Tomanek, R. J., Butters, C. A. & Zimmerman, M. B. (1993). Initiation of cardiac hypertrophy in response to thyroxine is not limited by age. (Vols. 264). (4 Pt 2), pp. H1041-H1047. American Journal of Physiology. [PMID: 8476081.](https://pubmed.ncbi.nlm.nih.gov/8476081/)
9. Hayreh, S. S., Zimmerman, M. B. & Podhajsky, P. (1994). Incidence of various types of retinal vein occlusion and their recurrence and demographic characteristics. (Vols. 117). (4), pp. 429-441. American Journal of Ophthalmology. [PMID: 8154523.](https://pubmed.ncbi.nlm.nih.gov/8154523/)
10. Saag, K. G., Keohnke, R., Caldwell, J. R., Brasington, R., Burmeister, L. F., Zimmerman, M. B., Kohler, J. & Furst, D. E. (1994). Low dose long-term corticosteroid therapy in rheumatoid arthritis: An analysis of serious adverse events. (Vols. 96). pp. 115-123. American Journal of Medicine. [PMID: 8109596.](https://pubmed.ncbi.nlm.nih.gov/8109596/)
11. Hayreh, S. S., Zimmerman, M. B., Podhajsky, P. & Alward, W. L. (1994). Nocturnal arterial hypotension and its role in optic nerve head and ocular ischemic disorders. (Vols. 117). (5), pp. 603-624. American Journal of Ophthalmology. [PMID: 8172267.](https://pubmed.ncbi.nlm.nih.gov/8172267/)
12. Pinkston, D. R., Schubkegel, A. J., Zimmerman, M. B. & Smith, R. J. (1995). The effects of sinus surgery on midfacial growth in the rabbit. (Vols. 9). pp. 115-124. American Journal of Rhinology. [DOI: 10.2500/105065895781873962](https://doi.org/10.2500/105065895781873962)

13. Lorenzo, J. F., Canady, J. W., Zimmerman, M. B. & Smith, R. J. (1995). Craniofacial growth in rabbits. Effects of midfacial surgical trauma and rigid plate fixation. (Vols. 121). (5), pp. 556-561. Archives of Otolaryngology Head & Neck Surgery. [PMID: 7727090.](#)
14. Noyes, R., Woodman, C. L., Holt, C. S., Reich, J. H. & Zimmerman, M. B. (1995). Avoidant personality traits distinguish social phobic and panic disorder subjects. (Vols. 183). (3), pp. 145-153. Journal of Nervous and Mental Disease. [PMID: 7891060.](#)
15. Mathers, W. D., Lane, J. A., Sutphin, J. E. & Zimmerman, M. B. (1996). Model for ocular tear film function. (Vols. 15). (2), pp. 110-119. Cornea. [PMID: 8925657.](#)
16. Tobacman, J. K., Lee, P., Zimmerman, M. B., Kolder, H., Hilborne, L. & Brook, R. (1996). Assessment of appropriateness of cataract surgery at ten academic medical centers in 1990. (Vols. 103). (2), pp. 207-215. Ophthalmology. [PMID: 8594503.](#)
17. Dyken, M. E., Somers, V. K., Yamada, T., Ren, Z. Y. & Zimmerman, M. B. (1996). Investigating the relationship between stroke and obstructive sleep apnea. (Vols. 27). (3), pp. 401-407. Stroke. [PMID: 8610303.](#)
18. Mathers, W. D., Lane, J. A. & Zimmerman, M. B. (1996). Tear film changes associated with normal aging. (Vols. 15). (3), pp. 229-234. Cornea. [PMID: 8713923.](#)
19. Canady, J. W., Wayne, I., Fellows, D. R., Zimmerman, M. B., Lorenzo, J. F. & Thompson, S. A. (1996). Craniofacial growth in rabbits after rigid or semi-rigid fixation of the frontonasal suture. (Vols. 98). (3), pp. 410-417; discussion 418-9. Plastic and Reconstructive Surgery. [PMID: 8700974.](#)
20. Culp, K., Flanigan, M., Lowrie, E. G., Lew, N. & Zimmerman, M. B. (1996). Modeling mortality risk in hemodialysis patients using laboratory values as time-dependent covariates. (Vols. 28). (5), pp. 741-746. American Journal of Kidney Diseases. [PMID: 9158214.](#)
21. Hayreh, S. S., Podhajsky, P. A., Raman, R. & Zimmerman, M. B. (1997). Giant cell arteritis: Validity and reliability of various diagnostic criteria. (Vols. 123). (3), pp. 285-296. American Journal of Ophthalmology. [PMID: 9063237.](#)
22. Hayreh, S. S., Podhajsky, P. A. & Zimmerman, M. B. (1997). Nonarteritic anterior ischemic neuropathy- Time of onset of visual loss. (Vols. 124). (5), pp. 641-647. American Journal of Ophthalmology. [PMID: 9372718.](#)
23. Mathers, W. D., Lane, J. A. & Zimmerman, M. B. (1997). Assessment of the tear film with tandem scanning confocal microscopy. (Vols. 16). (2), pp. 162-168. Cornea. [PMID: 9071529.](#)
24. Carlson, D. W., Alward, W. L., Barad, J. P., Zimmerman, M. B. & Carney, B. L. (1997). A randomized study of mitomycin augmentation in combined phacoemulsification and trabeculectomy. (Vols. 104). (4), pp. 719-724. Ophthalmology. [PMID: 9111269.](#)
25. Vandeborne, P., Montano, N., Zimmerman, M. B., Pagani, M. & Somers, V. K. (1997). Relationship between repeated measures of hemodynamics, muscle sympathetic nerve activity, and their spectral oscillations. (Vols. 96). (12), pp. 4326-4332. Circulation. [PMID: 9416900.](#)
26. Soffer, E. E., Adrian, T. E., Launspach, J. & Zimmerman, M. B. (1997). Meal-induced secretion of gastrointestinal regulatory peptides is not affected by sleep. (Vols. 9). (1), pp. 7-12. Neurogastroenterology and Motility. [PMID: 9058386.](#)
27. Funk, G. F., Hoffman, H. T., Karnell, L. H., Ricks, J. M., Zimmerman, M. B., Corbae, D. P., Hussey, D. H., McCulloch, T. M., Graham, S. M., Dawson, C. J., Means, M. E., Colwill, M. L., Titler, M. G. & Smith, E. M. (1998). Cost-identification analysis in oral cavity cancer management. (Vols. 118). (2), pp. 211-220. Otolaryngology-Head and Neck Surgery. [PMID: 9482555.](#)
28. Tobacman, J. K., Zimmerman, M. B., Lee, P., Hilborne, L., Kolder, H. & Brook, R. H. (1998). Visual function impairments in relation to gender, age, and visual acuity in patients who undergo cataract surgery. (Vols. 105). (9), pp. 1745-1750. Ophthalmology. [PMID: 9754186.](#)
29. Murph, J. R., Souza, I. E., Dawson, J. D., Benson, P., Petheram, S. J., Pfab, D., Gregg, A., O'Neill, M. E., Zimmerman, M. B. & Bale, J. F. (1998). Epidemiology of congenital cytomegalovirus infection: Maternal risk factors and molecular analysis of cytomegalovirus strains. (Vols. 147). pp. 940-947. American Journal of Epidemiology. [PMID: 9596472.](#)

30. Tomanek, R. J., Zimmerman, M. B., Suvarna, P. R., Morkin, E., Pennock, G. D. & Goldman, S. (1998). A thyroid hormone analog stimulates angiogenesis in the post-infarcted rat heart. (Vols. 30). (5), pp. 923-932. *Journal of Molecular and Cellular Cardiology*. [PMID: 9618233](#).
31. Hayreh, S. S., Podhajsky, P. A. & Zimmerman, M. B. (1998). Ocular manifestations of giant cell arteritis. (Vols. 125). (4), pp. 509-520. *American Journal of Ophthalmology*. [PMID: 9559737](#).
32. Hayreh, S. S., Jonas, J. B. & Zimmerman, M. B. (1998). Parapapillary chorioretinal atrophy in chronic high-pressure experimental glaucoma in rhesus monkeys. (Vols. 39). (12), pp. 2296-2303. *Investigative Ophthalmology & Visual Science*. [PMID: 9804138](#).
33. Rao, S. S., Welcher, K., Zimmerman, M. B. & Stumbo, P. (1998). Is coffee a colonic stimulant?. (Vols. 10). (2), pp. 113-118. *European Journal of Gastroenterology & Hepatology*. [DOI: 10.1097/00042737-199802000-00003](#)
34. Hayreh, S. S., Podhajsky, P. A. & Zimmerman, M. B. (1998). Occult giant cell arteritis: Ocular manifestations. (Vols. 125). (4), pp. 521-526. *American Journal of Ophthalmology*. [PMID: 9559738](#).
35. Mathers, W. D., Stovall, D., Lane, J. A., Zimmerman, M. B. & Johnson, S. (1998). Menopause and tear function: the influence of prolactin and sex hormones on human tear production. (Vols. 17). (4), pp. 353-358. *Cornea*. [PMID: 9676904](#).
36. Herwaldt, L., Scholz, D., Zimmerman, M. B., Pfaller, M. A., Perl, T. M. & Cullen, J. J. (1999). The economic impact of surgical site infections: A prospective study of outcomes, health care utilization, and hospital costs. (Vols. L). pp. 680-681. *Surgical Forum*.
37. Tobacman, J. K., Scott, I. U., Cyphert, S. & Zimmerman, M. B. (1999). Reproducibility of measures of overuse of cataract surgery by three physician panels. (Vols. 37). (9), pp. 937-945. *Medical Care*. [PMID: 10493471](#).
38. Hayreh, S. S., Podhajsky, P. & Zimmerman, M. B. (1999). Ocular and optic nerve head ischemic disorders and hearing loss. (Vols. 128). (5), pp. 606-611. *American Journal of Ophthalmology*. [PMID: 10577529](#).
39. Bale, J. F., Zimmerman, M. B., Dawson, J. D., Souza, I. E., Petheram, S. J. & Murph, J. R. (1999). Cytomegalovirus transmission in child care homes. (Vols. 153). (1), pp. 75-79. *Archives of Pediatrics & Adolescent Medicine*. [PMID: 9895003](#).
40. Hayreh, S. S., Podhajsky, P. & Zimmerman, M. B. (1999). Role of nocturnal arterial hypotension in optic nerve head ischemic disorders. (Vols. 213). (2), pp. 76-96. *Ophthalmologica*. [PMID: 9885384](#).
41. Hayreh, S. S., Podhajsky, P. & Zimmerman, M. B. (1999). Beta-blocker eyedrops and nocturnal arterial hypotension. (Vols. 128). (3), pp. 301-309. *American Journal of Ophthalmology*. [PMID: 10511024](#).
42. Hayreh, S. S., Pe'er, J. & Zimmerman, M. B. (1999). Morphologic changes in chronic high-pressure experimental glaucoma in rhesus monkeys. (Vols. 8). (1), pp. 56-71. *Journal of Glaucoma*. [PMID: 10084276](#).
43. Trigg, M. E., Peters, C. & Zimmerman, M. B. (2000). Administration of recombinant human granulocyte-macrophage colony-stimulating factor to children undergoing allogeneic marrow transplantation: a prospective, randomized, double-masked, placebo-controlled trial. (Vols. 4). (2), pp. 123-131. *Pediatric Transplantation*. [PMID: 11272605](#).
44. Lutgendorf, S. K., Kreder, K. J., Rothrock, N. E., Ratliff, T. L. & Zimmerman, M. B. (2000). Stress and symptomatology in patients with interstitial cystitis: A laboratory stress model. (Vols. 164). pp. 1265-1269. *Journal of Urology*. [PMID: 10992377](#).
45. Lin, J. C., Strauss, R. G., Kulhavy, J. C., Johnson, K. J., Zimmerman, M. B., Cress, G. A., Connolly, N. W. & Widness, J. A. (2000). Phlebotomy overdraw in the neonatal intensive care nursery. (Vols. 106). (2), pp. E19. *Pediatrics*. [PMID: 10920175](#).
46. Arnold, D. J., Funk, G. F., Karnell, L. H., Chen, A. H., Hoffman, H. T., Ricks, J. M., Zimmerman, M. B., Corbae, D. P., Zhen, W., McCulloch, T. M. & Graham, S. M. (2000). Laryngeal cancer cost analysis: association of case-mix and treatment characteristics with medical charges. (Vols. 110). (1), pp. 1-7. *Laryngoscope*. [PMID: 10646706](#).

47. Hayreh, S. S., Zimmerman, M. B., McCarthy, M. J. & Podhajsky, P. (2001). Systemic diseases associated with various types of retinal vein occlusion. (Vols. 131). (1), pp. 61-77. American Journal of Ophthalmology. [PMID: 11162981](#).
48. Kwon, Y. H., Taylor, J. M., Hong, S., Honkanen, R. A., Zimmerman, M. B., Alward, W. L. & Sutphin, J. E. (2001). Long-term results of eyes with penetrating keratoplasty and glaucoma drainage tube implant. (Vols. 108). (2), pp. 272-278. Ophthalmology. [PMID: 11158798](#).
49. Rothrock, N. E., Lutgendorf, S. K., Kreder, K. J., Ratliff, T. & Zimmerman, M. B. (2001). Stress and symptoms in patients with interstitial cystitis: A life stress model. (Vols. 57). (3), pp. 422-427. Urology. [PMID: 11248609](#).
50. Hunninghake, G. W., Zimmerman, M. B., Schwartz, D. A., King, T. E., Lynch, J., Hegele, R., Waldron, J., Colby, T., Müller, N., Lynch, D., Galvin, J., Gross, B., Hogg, J., Toews, G., Helters, R., Cooper, J. A., Baughman, R., Strange, C. & Millard, M. (2001). Utility of a lung biopsy for the diagnosis of idiopathic pulmonary fibrosis. (Vols. 164). (2), pp. 193-196. American Journal of Respiratory and Critical Care Medicine. [PMID: 11463586](#).
51. Jogerst, G., Daly, J. & Zimmerman, M. B. (2001). Physician use of and attitudes regarding the minimum data set. (Vols. 2). (1), pp. 4-9. Journal of the American Medical Directors Association. [PMID: 12812598](#).
52. Tobacman, J. K., Scott, I. U., Cyphert, S. T. & Zimmerman, M. B. (2001). Comparison of appropriateness ratings for cataract surgery between convened and mail-only multidisciplinary panels. (Vols. 21). (6), pp. 490-497. Medical Decision Making. [PMID: 11760106](#).
53. Hayreh, S. S., Podhajsky, P. A. & Zimmerman, M. B. (2001). Ipsilateral recurrence of nonarteritic ischemic optic neuropathy. (Vols. 132). (5), pp. 734-742. American Journal of Ophthalmology. [PMID: 11704035](#).
54. Rothrock, N. E., Lutgendorf, S. K., Kreder, K. J., Ratliff, T. L. & Zimmerman, M. B. (2001). Daily stress and symptom exacerbation in interstitial cystitis patients. (Vols. 57). (6 Suppl 1), pp. 122. Urology. [PMID: 11378108](#).
55. Kwon, Y. H., Kim, C. S., Zimmerman, M. B., Alward, W. L. & Hayreh, S. S. (2001). Rate of visual field loss and long-term visual outcome in primary open-angle glaucoma. (Vols. 132). (1), pp. 47-56. American Journal of Ophthalmology. [PMID: 11438053](#).
56. Tobacman, J. K., Wallace, R. B. & Zimmerman, M. B. (2001). Consumption of carrageenan and other water-soluble polymers used as food additives and incidence of mammary carcinoma. (Vols. 56). (5), pp. 589-598. Medical Hypotheses. [PMID: 11388773](#).
57. Alward, W. L., Kwon, Y. H., Khanna, C. L., Johnson, A. T., Hayreh, S. S., Zimmerman, M. B., Narkiewicz, J., Andorf, J. L., Moore, P. A., Fingert, J. H., Sheffield, V. C. & Stone, E. M. (2002). Variations in the myocilin gene in patients with open-angle glaucoma. (Vols. 120). (9), pp. 1189-1197. Archives of Ophthalmology. [PMID: 12215093](#).
58. Hayreh, S. S., Zimmerman, M. B. & Kardon, R. H. (2002). Visual improvement with corticosteroid therapy in giant cell arteritis. Report of a large study and review of literature. (Vols. 80). pp. 353-367. Acta Ophthalmologica Scandinavica. [PMID: 12190776](#).
59. Zhang, Y., Clark, C. B., Davies, L. R., Karlsson, G., Zimmerman, M. B. & Kerber, R. (2002). Body weight is a predictor of biphasic shock success for low energy transthoracic defibrillation. (Vols. 54). (3), pp. 281-287. Resuscitation. [PMID: 12204462](#).
60. Lutgendorf, S. K., Kreder, K. J., Rothrock, N. E., Hoffman, A., Kirschbaum, C., Sternberg, E. M., Zimmerman, M. B. & Ratliff, T. L. (2002). Diurnal cortisol variations and symptoms in patients with interstitial cystitis. (Vols. 167). (3), pp. 1338-1343. Journal of Urology. [PMID: 11832727](#).
61. Hayreh, S. S., Zimmerman, M. B. & Podhajsky, P. (2002). Hematologic abnormalities associated with various types of retinal vein occlusion. (Vols. 240). (3), pp. 180-196. Graefes Archive for Clinical and Experimental Ophthalmology. [PMID: 11935275](#).

62. Petersen, L. A., Lindner, D. S., Kleiber, C. M., Zimmerman, M. B., Hinton, A. T. & Yankowitz, J. (2002). Factors that predict low hematocrit levels in the postpartum patient after vaginal delivery. (Vols. 186). (4), pp. 737-744. American Journal of Obstetrics and Gynecology. [PMID: 11967500.](#)
63. Kayali, Z., Buckwold, V. E., Zimmerman, M. B. & Schmidt, W. N. (2002). Hepatitis C, cryoglobulinemia, and cirrhosis: A meta-analysis. (Vols. 36). (4 Part 1), pp. 978-985. Hepatology. [PMID: 12297847.](#)
64. Pereira, M. L., Kim, C. S., Zimmerman, M. B., Alward, W. L., Hayreh, S. S. & Kwon, Y. H. (2002). Rate and pattern of visual field decline in primary open-angle glaucoma. (Vols. 109). (12), pp. 2232-2240. Ophthalmology. [PMID: 12466164.](#)
65. Perl, T. M., Cullen, J. J., Wenzel, R. P., Zimmerman, M. B., Pfaller, M. A., Sheppard, D., Twombly, J., French, P. P. & Herwaldt, L. A. (2002). Intranasal mupirocin to prevent postoperative staphylococcus aureus infections. (Vols. 346). (24), pp. 1871-1877. New England Journal of Medicine. [PMID: 12063371.](#)
66. Graul, T. A., Kwon, Y. H., Zimmerman, M. B., Kim, C. S., Sheffield, V. C., Stone, E. M. & Alward, W. L. (2002). A case-control comparison of the clinical characteristics of glaucoma and ocular hypertensive patients with and without the myocilin Gln368Stop mutation. (Vols. 134). (6), pp. 884-890. American Journal of Ophthalmology. [PMID: 12470758.](#)
67. Kwon, Y. H., Kim, Y. I., Pereira, M. L., Montague, P. R., Zimmerman, M. B. & Alward, W. L. (2003). Rate of optic disc cup progression in treated primary open-angle glaucoma. (Vols. 12). (5), pp. 409-416. Journal of Glaucoma. [PMID: 14520149.](#)
68. Zhang, Y., Ramabadrhan, R. S., Boddicker, K. A., Bawaney, I., Davies, L. R., Zimmerman, M. B., Wuthrich, S., Jones, J. L. & Kerber, R. E. (2003). Triphasic waveforms are superior to biphasic waveforms for transthoracic defibrillation: experimental studies. (Vols. 42). (3), pp. 568-575. Journal of the American College of Cardiology. [PMID: 12906990.](#)
69. Hayreh, S. S. & Zimmerman, M. B. (2003). Management of giant cell arteritis: Our 27-Year Clinical Study: New Light on Old Controversies. (Vols. 217). pp. 239-259. Ophthalmologica. [PMID: 12792130.](#)
70. Dyken, M. E., Lin-Dyken, D. C., Poulton, S., Zimmerman, M. B. & Sedars, E. (2003). Prospective polysomnographic analysis of obstructive sleep apnea in down syndrome. (Vols. 157). (7), pp. 655-660. Archives of Pediatrics & Adolescent Medicine. [PMID: 12860786.](#)
71. Hayreh, S. S. & Zimmerman, M. B. (2003). Visual deterioration in giant cell arteritis patients while on high doses of corticosteroid therapy. (Vols. 110). pp. 1204-1215. Ophthalmology. [PMID: 12799248.](#)
72. Zhang, Y., Davies, L. R., Coddington, W. J., Zimmerman, M. B., Wuthrich, S., Jones, J. L. & Kerber, R. E. (2003). Open-chest epicardial "surgical" defibrillation: biphasic versus monophasic waveform shocks. (Vols. 26). (3), pp. 711-718. Pacing and Clinical Electrophysiology. [PMID: 12698671.](#)
73. Herwaldt, L. A., Swartzendruber, S. K., Zimmerman, M. B., Scholz, D. A., Franklin, J. A. & Calderone, C. A. (2003). Hemorrhage after coronary artery bypass graft procedures. (Vols. 24). (1), pp. 44-50. Infection Control and Hospital Epidemiology. [PMID: 12558235.](#)
74. Rao, S. S., Mudipalli, R. S., Mujica, V. R., Patel, R. S. & Clarke, W. R. (2003). Effects of gender and age on esophageal biomechanical properties and sensation. (Vols. 98). (8), pp. 1688-1695. American Journal of Gastroenterology. [PMID: 12907320.](#)
75. Tobacman, J. K., Whitaker, D. & Zimmerman, M. B. (2003). Inverse relationship between density of cutaneous hair and pigmented lesion count in patients with malignant melanoma. (Vols. 13). (1), pp. 23-27. Melanoma Research. [PMID: 12569281.](#)
76. Tobacman, J. K., Zimmerman, M. B., Lee, P., Hilborne, L., Kolder, H. & Brook, R. H. (2003). Visual acuity following cataract surgeries in relation to preoperative appropriateness ratings. (Vols. 23). (2), pp. 122-130. Medical Decision Making. [PMID: 12693874.](#)
77. Brown, K. E., Khan, C. M., Zimmerman, M. B. & Brunt, E. M. (2003). Hepatic iron overload in blacks and whites: a comparative autopsy study. (Vols. 98). (7), pp. 1594-1598. American Journal of Gastroenterology. [PMID: 12873584.](#)
78. Honkanen, R. A., Baruah, S., Zimmerman, M. B., Khanna, C. L., Weaver, Y. K., Narkiewicz, J., Waziri, R., Gehrs, K. M., Weingeist, T. A., Boldt, H. C., Folk, J. C., Russell, S. R. & Kwon, Y. H. (2003). Vitreous amino

- acid concentrations in patients with glaucoma undergoing vitrectomy. (Vols. 121). (2), pp. 183-188. Archives of Ophthalmology. [PMID: 12583783](#).
79. Bergamin, O., Zimmerman, M. B. & Kardon, R. H. (2003). Pupil light reflex in normal and diseased eyes: diagnosis of visual dysfunction using waveform partitioning. (Vols. 110). (1), pp. 106-114. Ophthalmology. [PMID: 12511354](#).
 80. Lichtor, J. L., Lane, B. S. & Zimmerman, M. B. (2004). Residual sleepiness after N2O sedation: A randomized control trial. (Vols. 4). (1), pp. 5. BMC Anesthesiology. [PMID: 15140266](#). [PMCID: PMC419701](#).
 81. Lutgendorf, S. K., Latini, J. M., Rothrock, N., Zimmerman, M. B. & Kreder, K. J. (2004). Autonomic response to stress in interstitial cystitis. (Vols. 172). (1), pp. 227-231. Journal of Urology. [PMID: 15201780](#).
 82. Lowe, M. P., Zimmerman, M. B. & Hansen, W. (2004). Prospective randomized controlled trial of fetal fibronectin on preterm labor management in a tertiary care center. (Vols. 190). (2), pp. 358-362. American Journal of Obstetrics and Gynecology. [PMID: 14981374](#). [PMCID: PMC1888418](#).
 83. Hall, M., Shurr, D. G., Zimmerman, M. B. & Saltzman, C. L. (2004). Plantar foot surface temperatures with use of insoles. (Vols. 24). pp. 72-75. The Iowa Orthopaedic Journal. [PMID: 15296210](#).
 84. Hayreh, S. S., Zimmerman, M. B., Beri, M. & Podhajsky, P. (2004). Intraocular pressure abnormalities associated with central and hemicentral retinal vein occlusion. (Vols. 111). (1), pp. 133-141. Ophthalmology. [PMID: 14711725](#).
 85. Tobacman, J. K., Kissinger, P., Wells, M., Prokuski, J., Hoyer, M., McPherson, P., Wheeler, J., Kron-Chalupa, J., Parsons, C., Weller, P. & Zimmerman, M. B. (2004). Implementation of personal health records by case managers in a VAMC general medicine clinic. (Vols. 54). (1), pp. 27-33. Patient Education & Counseling. [PMID: 15210257](#).
 86. Rao, S. S., Mudipalli, R. S., Stessman, M. & Zimmerman, M. B. (2004). Investigation of the utility of colorectal function tests and Rome II criteria in dyssynergic defecation (anismus). (Vols. 16). (5), pp. 589-596. Neurogastroenterology and Motility. [PMID: 15500515](#).
 87. Voigt, M. D., Zimmerman, M. B., Katz, D. A. & Rayhill, S. C. (2004). New national liver transplant allocation policy: Is the regional review board process fair?. (Vols. 10). (5), pp. 666-674. Liver Transplantation. [PMID: 15108259](#).
 88. Hayreh, S. S., Zimmerman, M. B., Kimura, A. & Sanon, A. (2004). Central retinal artery occlusion. Retinal survival time. (Vols. 78). (3), pp. 723-736. Experimental Eye Research. [PMID: 15106952](#).
 89. Costello, F., Zimmerman, M. B., Podhajsky, P. A. & Hayreh, S. S. (2004). Role of thrombocytosis in diagnosis of giant cell arteritis and differentiation of arteritic from non-arteritic anterior ischemic optic neuropathy. (Vols. 14). (3), pp. 245-257. European Journal of Ophthalmology. [PMID: 15206651](#).
 90. Snetselaar, L. G., Stumbo, P., Chenard, C., Ahrens, L., Smith, K. & Zimmerman, M. B. (2004). Adolescents eating diets rich in either lean beef or lean poultry and fish reduced fat and saturated fat intake and those eating beef maintained serumferritin status. (Vols. 104). (3), pp. 424-428. Journal of the American Dietetic Association. [PMID: 14993866](#).
 91. Saltzman, C. L., Zimmerman, M. B., Holdsworth, R. L., Beck, S., Hartsell, H. D. & Frantz, R. A. (2004). Effect of initial weight-bearing in a total contact cast on healing of diabetic foot ulcers. (Vols. 86-A). (12), pp. 2714-2719. Journal of Bone and Joint Surgery American volume. [PMID: 15590858](#).
 92. Knecht, S. I., Estin, M., Callaghan, J. J., Zimmerman, M. B., Alliman, K. J., Alvine, F. G. & Saltzman, C. L. (2004). The Agility total ankle arthroplasty. Seven to sixteen-year follow-up. (Vols. 86-A). (6), pp. 1161-1171. Journal of Bone and Joint Surgery American volume. [PMID: 15173288](#).
 93. Widness, J. A., Madan, A., Grindeanu, L. A., Zimmerman, M. B., Wong, D. K. & Stevenson, D. K. (2005). Reduction in red blood cell transfusions among preterm infants: Results of a randomized trial with an in-line blood gas and chemistry monitor. (Vols. 115). (5), pp. 1299-1306. Pediatrics. [PMID: 15867038](#).
 94. Lott, D. G., Zimmerman, M. B., Labbé, R. F., Kling, P. J. & Widness, J. A. (2005). Erythrocyte zinc protoporphyrin is elevated with prematurity and fetal hypoxemia. (Vols. 116). (2), pp. 414-422. Pediatrics. [PMID: 16061597](#).

95. Kurtz, K. A., Hoffman, H. T., Zimmerman, M. B. & Robinson, R. A. (2005). Perineural and vascular invasion in oral cavity squamous carcinoma - Increased incidence on re-review of slides and by using immunohistochemical enhancement. (Vols. 129). (3), pp. 354-359. Archives of Pathology & Laboratory Medicine. [PMID: 15737030](#).
96. Boddicker, K. A., Zhang, Y., Zimmerman, M. B., Davies, L. R. & Kerber, R. E. (2005). Hypothermia improves defibrillation success and resuscitation outcomes from ventricular fibrillation. (Vols. 111). (24), pp. 3195-3201. Circulation. [PMID: 15956132](#).
97. Hayreh, S. S. & Zimmerman, M. B. (2005). Central retinal artery occlusion: Visual outcome. (Vols. 140). (3), pp. 376-391. American Journal of Ophthalmology. [PMID: 16138997](#).
98. Kwon, Y. H., Rickman, D. W., Baruah, S., Zimmerman, M. B., Kim, C. S., Boldt, H. C., Russell, S. R. & Hayreh, S. S. (2005). Vitreous and retinal amino acid concentrations in experimental central retinal artery occlusion in the primate. (Vols. 19). (4), pp. 455-463. Eye (London, England). [PMID: 15184939](#).
99. Lee, A. G. & Zimmerman, M. B. (2005). The rate of visual field loss in optic nerve head drusen. (Vols. 139). (6), pp. 1062-1066. American Journal of Ophthalmology. [PMID: 15953437](#).
100. Hayreh, S. S. & Zimmerman, M. B. (2005). Visual field abnormalities in nonarteritic anterior ischemic optic neuropathy - Their pattern and prevalence at initial examination. (Vols. 123). (11), pp. 1554-1562. Archives of Ophthalmology. [PMID: 16286618](#).
101. Jones, K. B., Maiers-Yelden, K. A., Marsh, J. L., Zimmerman, M. B., Estin, M. & Saltzman, C. L. (2005). Ankle fractures in patients with diabetes mellitus. (Vols. 87). (4), pp. 489-495. Journal of Bone and Joint Surgery British volume. [PMID: 15795198](#).
102. Kurtz, K. A., Hoffman, H. T., Zimmerman, M. B. & Robinson, R. A. (2005). Perineural and vascular invasion in oral cavity squamous carcinoma: Increased incidence on re-review of slides and by using immunohistochemical enhancement. (Vols. 129). (3), pp. 354-359. Archives of Pathology & Laboratory Medicine. [PMID: 15737030](#).
103. Zhang, W., Mason, E. E., Renquist, K. E. & Zimmerman, M. B. (2005). Factors influencing survival following surgical treatment of obesity. (Vols. 15). (1), pp. 43-50. Obesity Surgery. [DOI: 10.1381/0960892052993422](#). [PMID: 16013115](#).
104. Saltzman, C. L., Hagy, M. L., Zimmerman, M. B., Estin, M. & Cooper, R. (2005). How effective is intensive nonoperative initial treatment of patients with diabetes and Charcot arthropathy of the feet?. (Vols. 435). pp. 185-190. Clinical Orthopaedics & Related Research. [PMID: 15930937](#).
105. Latini, J. M., Zimmerman, M. B. & Kreder, K. J. (2005). Association between valsalva and cough leak point pressures and pelvic organ prolapse quantification in women with stress incontinence. (Vols. 173). (4), pp. 1219-1222. Journal of Urology. [PMID: 15758756](#).
106. Ault, K. A., Allen, H. K., Phillips, S. L., Zimmerman, M. B. & Klingelutz, A. J. (2005). Telomerase activity as a potential diagnostic marker for triage of abnormal Pap smears. (Vols. 9). (2), pp. 93-99. Journal of Lower Genital Tract Disease. [PMID: 15870530](#). [PMCID: PMC2223068](#).
107. Bell, E. F., Strauss, R. G., Widness, J. A., Mahoney, L. T., Mock, D. M., Seward, V. J., Cress, G. A., Johnson, K. J., Kromer, I. J. & Zimmerman, M. B. (2005). Randomized trial of liberal versus restrictive guidelines for red blood cell transfusion in preterm infants. (Vols. 115). (6), pp. 1685-1691. Pediatrics. [PMID: 15930233](#).
108. Hansen, W. F., McAndrew, S., Harris, K. & Zimmerman, M. B. (2005). Metoclopramide effect on breastfeeding the preterm infant: a randomized trial. (Vols. 105). (2), pp. 383-389. Obstetrics and Gynecology. [PMID: 15684169](#).
109. Zhang, Y., Rhee, B., Davies, L. R., Zimmerman, M. B., Snyder, D., Jones, J. L. & Kerber, R. E. (2006). Quadriphasic waveforms are superior to triphasic waveforms for transthoracic defibrillation in a cardiac arrest swine model with high impedance. (Vols. 68). (2), pp. 251-8. Resuscitation. [PMID: 16325983](#).
110. Uc, E. Y., Stuck, L. K., Rodnitzky, R. L., Zimmerman, M. B., Dobson, J. & Evans, W. J. (2006). Predictors of weight loss in Parkinson's disease. (Vols. 21). (7), pp. 930-936. Movement Disorders: Official Journal of the Movement Disorder Society. [PMID: 16534756](#).

111. Herwaldt, L. A., Cullen, J. J., Scholz, D., French, P., Zimmerman, M. B., Pfaller, M. A., Wenzel, R. P. & Perl, T. M. (2006). A prospective study of outcomes, healthcare resource utilization, and costs associated with postoperative nosocomial infections. (Vols. 27). (12), pp. 1291-1298. *Infection Control and Hospital Epidemiology*. [PMID: 17152025](#).
112. Abramoff, M. D., Kwon, Y. H., Ts'o, D., Soliz, P., Zimmerman, M. B., Pokorny, J. & Kardon, R. (2006). Visual stimulus-induced changes in human near-infrared fundus reflectance. (Vols. 47). (2), pp. 715-721. *Investigative Ophthalmology & Visual Science*. [PMID: 16431972](#). [PMCID: PMC1473026](#).
113. Ernst, M. E., Carter, B. L., Goerdt, C. J., Steffensmeier, J. J., Phillips, B. B., Zimmerman, M. B. & Bergus, G. R. (2006). Comparative antihypertensive effects of hydrochlorothiazide and chlorthalidone on ambulatory and office blood pressure. (Vols. 47). (3), pp. 352-358. *Hypertension*. [PMID: 16432050](#).
114. Quisling, S., Sjoberg, S., Zimmerman, M. B., Goins, K. & Suthpin, J. (2006). Comparison of Pentacam and Orbscan II on posterior curvature topography measurements in keratoconus eyes. (Vols. 113). (9), pp. 1629-1632. *Ophthalmology*. [PMID: 16949447](#).
115. Guerin, L. A., Hoffman, H. T., Zimmerman, M. B. & Robinson, R. A. (2006). Decreased fragile histidine triad gene protein expression is associated with worse prognosis in oral squamous carcinoma. (Vols. 130). (2), pp. 158-164. *Archives of Pathology & Laboratory Medicine*. [PMID: 16454554](#).
116. Lee, A. G., Boldt, H. C., Golnik, K. C., Arnold, A. C., Oetting, T. A., Beaver, H. A., Olson, R. J., Zimmerman, M. B. & Carter, K. (2006). Structured journal club as a tool to teach and assess resident competence in practice-based learning and improvement. (Vols. 113). (3), pp. 497-500. *Ophthalmology*. [PMID: 16458971](#).
117. Payne, J. K., Piper, B., Rabinowitz, I. & Zimmerman, M. B. (2006). Biomarkers, fatigue, sleep, and symptoms in women with breast cancer: A pilot study. (Vols. 33). (4), pp. 775-783. *Oncology Nursing Forum*. [PMID: 16858459](#).
118. Lamale, L. M., Lutgendorf, S. K., Zimmerman, M. B. & Kreder, K. J. (2006). Interleukin-6, histamine, and methylhistamine as diagnostic markers for interstitial cystitis. (Vols. 68). (4), pp. 702-706. *Urology*. [PMID: 17070335](#).
119. Folk, D. E., Thrift, D. L., Zimmerman, M. B. & Reimann, P. C. (2006). Mammalian activity-rest rhythms in Arctic continuous daylight. (Vols. 37). (6), pp. 455-469. *Biological Rhythm Research*.
120. Kurtz, K. A., Hoffman, H. T., Zimmerman, M. B. & Robinson, R. A. (2006). Decreased E-cadherin but not beta-catenin expression is associated with vascular invasion and decreased survival in head and neck squamous carcinomas. (Vols. 134). (1), pp. 142-146. *Otolaryngology-Head and Neck Surgery*. [PMID: 16399195](#).
121. McCarthy, A. M., Kelly, M. W., Johnson, S., Roman, J. & Zimmerman, M. B. (2006). Changes in medication administered in schools. (Vols. 22). (2), pp. 102-107. *Journal of School Nursing*. [PMID: 16563033](#).
122. Samuel, I., Mason, E. E., Renquist, K. E., Huang, Y. H., Zimmerman, M. B. & Jamal, M. (2006). Bariatric surgery trends: An 18-year report from the International Bariatric Surgery Registry. (Vols. 192). (5), pp. 657-662. *American Journal of Surgery*. [PMID: 17071202](#).
123. Saltzman, C. L., Zimmerman, M. B., O'Rourke, M., Brown, T. D., Buckwalter, J. A. & Johnston, R. (2006). Impact of comorbidities on the measurement of health in patients with ankle osteoarthritis. (Vols. 88). (11), pp. 2366-2372. *Journal of Bone and Joint Surgery American volume*. [PMID: 17079392](#).
124. Rao, S. S., Summers, R. W., Rao, G. R., Ramana, S., Devi, U., Zimmerman, M. B. & Pratap, B. C. (2006). Oral rehydration for viral gastroenteritis in adults: A randomized, controlled trial of 3 solutions. (Vols. 30). (5), pp. 433-439. *Journal of Parenteral and Enteral Nutrition*. [PMID: 16931613](#).
125. Rao, S. S., Mudipalli, R. S., Remes-Troche, J. M., Utech, C. L. & Zimmerman, M. B. (2007). Theophylline improves esophageal chest pain - A randomized, placebo-controlled study. (Vols. 102). (5), pp. 930-938. *American Journal of Gastroenterology*. [PMID: 17313494](#).
126. Gryzlak, B. M., Wallace, R. B., Zimmerman, M. B. & Nisly, N. L. (2007). National surveillance of herbal dietary supplement exposures: the poison control center experience. (Vols. 16). (9), pp. 947-957. *Pharmacoepidemiology and Drug Safety*. [PMID: 17613175](#). [PMCID: PMC2265591](#).

127. Hayreh, S. S., Jonas, J. B. & Zimmerman, M. B. (2007). Nonarteritic anterior ischemic optic neuropathy and tobacco smoking. (Vols. 114). (4), pp. 804-809. *Ophthalmology*. [PMID: 17398323](#).
128. Dickson, M. E., Zimmerman, M. B., Rahmouni, K. & Sigmund, C. D. (2007). The -20 and -217 promoter variants dominate differential angiotensinogen haplotype regulation in angiotensinogen-expressing cells. (Vols. 49). (3), pp. 631-639. *Hypertension*. [PMID: 17200439](#).
129. Shuba, L. M., Doan, A. P., Maley, M. K., Zimmerman, M. B., Dinn, R. B., Greenlee, E. C., Alward, W. L. & Kwon, Y. H. (2007). Diurnal fluctuation and concordance of intraocular pressure in glaucoma suspects and normal tension glaucoma patients. (Vols. 16). (3), pp. 307-312. *Journal of Glaucoma*. [PMID: 17438425](#).
130. Dinn, R. B., Zimmerman, M. B., Shuba, L. M., Doan, A. P., Maley, M. K., Greenlee, E. C., Alward, W. L. & Kwon, Y. H. (2007). Concordance of diurnal intraocular pressure between fellow eyes in primary open-angle glaucoma. (Vols. 114). (5), pp. 915-920. *Ophthalmology*. [PMID: 17467528](#).
131. Dornfeld, K., Simmons, J. R., Karnell, L., Karnell, M., Funk, G., Yao, M., Wacha, J., Zimmerman, M. B. & Buatti, J. M. (2007). Radiation doses to structures within and adjacent to the larynx are correlated with long-term diet- and speech-related quality of life. (Vols. 68). (3), pp. 750-757. *International Journal of Radiation Oncology, Biology, Physics*. [PMID: 17418971](#).
132. Rao, S. S., Seaton, K., Miller, M. J., Schulze, K., Brown, C. K., Paulson, J. & Zimmerman, M. B. (2007). Psychological profiles and quality of life differ between patients with dyssynergia and those with slow transit constipation. (Vols. 63). (4), pp. 441-449. *Journal of Psychosomatic Research*. [PMID: 17905054](#).
133. Wagoner, M. D., Al-Swailem, S. A., Sutphin, J. E. & Zimmerman, M. B. (2007). Bacterial keratitis after penetrating keratoplasty incidence, microbiological profile, graft survival, and visual outcome. (Vols. 114). (6), pp. 1073-1079. *Ophthalmology*. [PMID: 17275089](#).
134. Bardia, A., Nisly, N. L., Zimmerman, M. B., Gryzlak, B. M. & Wallace, R. B. (2007). Use of herbs among adults based on evidence-based indications: findings from the National Health Interview Survey. (Vols. 82). (5), pp. 561-566. *Mayo Clinic Proceedings*. [PMID: 17493422](#). [PMCID: PMC1964882](#).
135. Hayreh, S. S. & Zimmerman, M. B. (2007). Fundus changes in central retinal artery occlusion. (Vols. 27). (3), pp. 276-289. *Retina*. [PMID: 17460582](#).
136. Bradley, C. S., Zimmerman, M. B., Qi, Y. & Nygaard, I. E. (2007). Natural history of pelvic organ prolapse in postmenopausal women. (Vols. 109). (4), pp. 848-854. *Obstetrics and Gynecology*. [PMID: 17400845](#).
137. Hayreh, S. S. & Zimmerman, M. B. (2007). Optic disc edema in non-arteritic anterior ischemic optic neuropathy. (Vols. 245). (8), pp. 1107-1121. *Graefes Archive for Clinical and Experimental Ophthalmology*. [PMID: 17219123](#).
138. Hayreh, S. S. & Zimmerman, M. B. (2007). Incipient nonarteritic anterior ischemic optic neuropathy. (Vols. 114). (9), pp. 1763-72. *Ophthalmology*. [PMID: 17391767](#).
139. Wagoner, M. D., Ba-Abbad, R., Sutphin, J. E. & Zimmerman, M. B. (2007). Corneal transplant survival after onset of severe endothelial rejection. (Vols. 114). (9), pp. 1630-1636. *Ophthalmology*. [PMID: 17367863](#).
140. Rao, S. S., Seaton, K., Miller, M., Brown, K., Nygaard, I., Stumbo, P., Zimmerman, M. B. & Schulze, K. (2007). Randomized controlled trial of biofeedback, sham feedback, and standard therapy for dyssynergic defecation. (Vols. 5). (3), pp. 331-338. *Clinical Gastroenterology and Hepatology*. [PMID: 17368232](#).
141. Lutgendorf, S. K., Lamkin, D. M., Degeest, K., Anderson, B., Dao, M., McGinn, S., Zimmerman, M. B., Maiseri, H., Sood, A. K. & Lubaroff, D. M. (2008). Depressed and anxious mood and T-cell cytokine expressing populations in ovarian cancer patients. (Vols. 22). (6), pp. 890-900. *Brain Behavior and Immunity*. [PMID: 18276105](#). [PMCID: PMC2605940](#).
142. Hayreh, S. S. & Zimmerman, M. B. (2008). Nonarteritic anterior ischemic optic neuropathy: Refractive error and its relationship to cup/disc ratio. (Vols. 115). (12), pp. 2275-2281. *Ophthalmology*. [PMID: 19041480](#).

143. Hayreh, S. S. & Zimmerman, M. B. (2008). Nonarteritic anterior ischemic optic neuropathy: Natural history of visual outcome. (Vols. 115). (2), pp. 298-305.e2. *Ophthalmology*. [PMID: 17698200](#). [PMCID: PMC2782939](#).
144. Tanaka, M. J., Gryzlak, B. M., Zimmerman, M. B., Nisly, N. L. & Wallace, R. B. (2008). Patterns of natural herb use by Asian and Pacific Islanders. (Vols. 13). (2), pp. 93-108. *Ethnicity & Health*. [PMID: 18425709](#).
145. Bradley, C. S., Zimmerman, M. B., Wang, Q. & Nygaard, I. E. (2008). Vaginal descent and pelvic floor symptoms in postmenopausal women: A longitudinal study. (Vols. 111). (5), pp. 1148-1153. *Obstetrics and Gynecology*. [PMID: 18448748](#).
146. Choi, Y. K., Kraft, N., Zimmerman, M. B., Jackson, M. & Rao, S. S. (2008). Fructose intolerance in IBS and utility of fructose-restricted diet. (Vols. 42). (3), pp. 233-238. *Journal of Clinical Gastroenterology*. [PMID: 18223504](#).
147. Gerdner, L. A., Hart, L. K. & Zimmerman, M. B. (2008). Craniosacral still point technique: exploring its effects in individuals with dementia. (Vols. 34). (3), pp. 36-45. *Journal of Gerontological Nursing*. [PMID: 18350746](#).
148. Strauss, R. G., Mock, D. M., Johnson, K. J., Cress, G. A., Burmeister, L. F., Zimmerman, M. B., Bell, E. F. & Rijhsinghani, A. (2008). A randomized clinical trial comparing immediate versus delayed clamping of the umbilical cord in preterm infants: short-term clinical and laboratory endpoints. (Vols. 48). (4), pp. 658-665. *Transfusion*. [PMID: 18194383](#). [PMCID: PMC2883857](#).
149. Hayreh, S. S. & Zimmerman, M. B. (2008). Nonarteritic anterior ischemic optic neuropathy: Clinical characteristics in diabetic patients versus nondiabetic patients. (Vols. 115). (10), pp. 1818-1825. *Ophthalmology*. [PMID: 18502511](#).
150. Hayreh, S. S. & Zimmerman, M. B. (2008). Non-arteritic anterior ischemic optic neuropathy: Role of systemic corticosteroid therapy. (Vols. 246). (7), pp. 1029-1046. *Graefes Archive for Clinical and Experimental Ophthalmology*. [PMID: 18404273](#). [PMCID: PMC2712323](#).
151. Wallace, R. B., Gryzlak, B. M., Zimmerman, M. B. & Nisly, N. L. (2008). Application of FDA adverse event report data to the surveillance of dietary botanical supplements. (Vols. 42). (5), pp. 653-660. *Annals of Pharmacotherapy*. [PMID: 18397972](#).
152. Lamkin, D. M., Spitz, D. R., Shahzad, M. M., Zimmerman, M. B., Lenihan, D. J., Degeest, K., Lubaroff, D. M., Shinn, E. H., Sood, A. K. & Lutgendorf, S. K. (2009). Glucose as a prognostic factor in ovarian carcinoma. (Vols. 115). (5), pp. 1021-1027. *Cancer*. [PMID: 19156916](#). [PMCID: PMC2649990](#).
153. Smith, M. C., Zimmerman, M. B., Burke, D. K., Bauman, N. M., Sato, Y. & Smith, R. J. (2009). Efficacy and safety of OK-432 immunotherapy of lymphatic malformations. (Vols. 119). (1), pp. 107-115. *Laryngoscope*. [PMID: 19117316](#).
154. Hayreh, S. S., Podhajsky, P. A. & Zimmerman, M. B. (2009). Branch retinal artery occlusion: Natural history of visual outcome. (Vols. 116). (6), pp. 1188-1194.e1-4. *Ophthalmology*. [PMID: 19376586](#). [PMCID: PMC2759688](#).
155. Specht, J., Bossen, A., Hall, G. R., Zimmerman, M. B. & Russell, J. (2009). The effects of a dementia nurse care manager on improving caregiver outcomes. (Vols. 24). (3), pp. 193-207. *American Journal of Alzheimer's Disease and Other Dementia*. [PMID: 19246574](#).
156. Swingle, H. M., Colaizy, T. T., Zimmerman, M. B. & Morriss, F. H. (2009). Abortion and the risk of subsequent preterm birth: a systematic review with meta-analyses. (Vols. 54). (2), pp. 95-108. *Journal of Reproductive Medicine*. [PMID: 19301572](#).
157. Rao, S. S., Paulson, J., Mata, M. & Zimmerman, M. B. (2009). Clinical Trial: Effects of botulinum toxin on Levator Ani Syndrome: A double blind, placebo-controlled study. (Vols. 29). (9), pp. 985-991. *Alimentary Pharmacology & Therapeutics*. [PMID: 19222415](#). [PMCID: PMC2730637](#).
158. Wagoner, M. D., Ba-Abbad, R., Al-Mohaimed, M., Al-Swailem, S. & Zimmerman, M. B. (2009). Postoperative complications after primary adult optical penetrating keratoplasty: Prevalence and impact on graft survival. (Vols. 28). (4), pp. 385-394. *Cornea*. [PMID: 19411956](#).

159. Brooks, L., Zhang, Y., Dendi, R., Anderson, R. H., Zimmerman, M. B. & Kerber, R. E. (2009). Selecting the transthoracic defibrillation shock directional vector based on VF amplitude improves shock success. (Vols. 20). (9), pp. 1032-1038. *Journal of Cardiovascular Electrophysiology*. [PMID: 19460079](#).
160. Mendoza-Lattes, S., Weiss, A., Found, E., Zimmerman, M. B. & Gao, Y. (2009). Comparable effectiveness of caudal vs. trans-foraminal epidural steroid injections. (Vols. 29). pp. 91-96. *The Iowa Orthopaedic Journal*. [PMID: 19742093](#). [PMCID: PMC2723700](#).
161. Kwon, Y. H., Adix, M., Zimmerman, M. B., Piette, S., Greenlee, E. C., Alward, W. L. & Abramoff, M. D. (2009). Variance owing to observer, repeat imaging, and fundus camera type on cup-to-disc ratio estimates by stereo planimetry. (Vols. 18). (4), pp. 305-310. *Journal of Glaucoma*. [PMID: 19365196](#).
162. Hayreh, S. S., Podhajsky, P. A. & Zimmerman, M. B. (2009). Retinal artery occlusion: associated systemic and ophthalmic abnormalities. (Vols. 116). (10), pp. 1928-1936. *Ophthalmology*. [PMID: 19577305](#). [PMCID: PMC2757505](#).
163. McCarthy, A. M., Hanrahand, K., Kleiber, C., Zimmerman, M. B., Lutgendorf, S. & Tsalikian, E. (2009). Normative salivary cortisol values and responsivity in children. (Vols. 22). (1), pp. 54-62. *Applied Nursing Research*. [PMID: 19171296](#). [PMCID: PMC2650745](#).
164. Singh, M., Zimmerman, M. B., Beltz, T. G. & Johnson, A. K. (2009). Affect-related behaviors in mice misexpressing the RNA editing enzyme ADAR2. (Vols. 97). (3-4), pp. 446-454. *Physiology & Behavior*. [PMID: 19361536](#). [PMCID: PMC2778280](#).
165. Calarge, C. A., Ellingrod, V. L., Zimmerman, M. B., Acion, L., Sivitz, W. I. & Schlechte, J. A. (2009). Leptin gene -2548G/A variants predict risperidone-associated weight gain in children and adolescents. (Vols. 19). (6), pp. 320-327. *Psychiatric Genetics*. [PMID: 19873684](#). [PMCID: PMC2919234](#).
166. McCarthy, A. M., Kleiber, C., Hanrahan, K., Zimmerman, M. B., Westhus, N. & Allen, S. (2010). Factors explaining children's responses to intravenous needle insertions. (Vols. 59). (6), pp. 407-416. *Nursing Research*. [PMID: 20962698](#). [PMCID: PMC3546606](#).
167. Weinrib, A. Z., Sephton, S. E., Degeest, K., Penedo, F., Bender, D., Zimmerman, M. B., Kirschbaum, C., Sood, A. K., Lubaroff, D. M. & Lutgendorf, S. K. (2010). Diurnal cortisol dysregulation, functional disability, and depression in women with ovarian cancer. (Vols. 116). (18), pp. 4410-4419. *Cancer*. [PMID: 20564155](#). [PMCID: PMC3118555](#).
168. Nisly, N. L., Gryzlak, B. M., Zimmerman, M. B. & Wallace, R. B. (2010). Dietary supplement polypharmacy: An unrecognized public health problem?. (Vols. 7). (1), pp. 107-113. *Journal of Evidence-Based Complementary & Alternative Medicine*. [PMID: 18955288](#). [PMCID: PMC2816386](#).
169. Rao, S. S., Valestin, J., Brown, C. K., Zimmerman, M. B. & Schulze, K. (2010). Long-term efficacy of biofeedback therapy for dyssynergic defecation: Randomized controlled trial. (Vols. 105). (4), pp. 890-896. *American Journal of Gastroenterology*. [PMID: 20179692](#). [PMCID: PMC3910270](#).
170. Karafin, M., St Louis, E. K., Zimmerman, M. B., Sparks, J. D. & Granner, M. A. (2010). Bimodal ultradian seizure periodicity in human mesial temporal lobe epilepsy. (Vols. 19). (6), pp. 347-351. *Seizure*. [PMID: 20580271](#). [PMCID: PMC2921217](#).
171. Calarge, C. A., Zimmerman, M. B., Xie, D., Kuperman, S. & Schlechte, J. A. (2010). A cross-sectional evaluation of the effect of risperidone and selective serotonin reuptake inhibitors on bone mineral density in boys. (Vols. 1). (3), pp. 338-347. *Journal of Clinical Psychiatry*. [PMID: 20331935](#). [PMCID: PMC2845988](#).
172. Mains, L., Zimmerman, M. B., Blaine, J., Stegmann, B., Sparks, A., Ansley, T. & Van Voorhis, B. (2010). Achievement test performance in children conceived by IVF. (Vols. 25). (10), pp. 2605-2611. *Human Reproduction*. [PMID: 20716561](#).
173. McCarthy, A. M., Kleiber, C., Hanrahan, K., Zimmerman, M. B., Westhus, N. & Allen, S. (2010). Impact of parent-provided distraction on child responses to an IV insertion. (Vols. 29). (2), pp. 125-141. *Children's Health Care*. [PMID: 21643530](#). [PMCID: PMC3106296](#).
174. Mock, D. M., Matthews, N. I., Zhu, S., Burmeister, L. F., Zimmerman, M. B., Strauss, R. G., Schmidt, R. L., Nalbant, D., Freise, K. J., Veng-Pedersen, P. & Widness, J. A. (2010). Red blood cell (RBC) volume can

- be independently determined in vivo in the sheep using ovine RBCs labeled at different densities of biotin. (Vols. 50). (12), pp. 2553-2564. *Transfusion*. [PMID: 20561297](#). [PMCID: PMC2974037](#).
175. Mehra, R., Tsalikian, E., Chenard, C. A., Zimmerman, M. B. & Sivitz, W. I. (2011). Feeding frequency and appetite in lean and obese prepubertal children. (Vols. 19). (3), pp. 560-567. *Obesity* (Silver Spring, MD). [PMID: 20847731](#).
 176. Hayreh, S. S., Podhajsky, P. A. & Zimmerman, M. B. (2011). Central and hemicentral retinal vein occlusion: role of anti-platelet aggregation agents and anticoagulants. (Vols. 118). (8), pp. 1603-1611. *Ophthalmology*. [PMID: 21704382](#). [PMCID: PMC3150626](#).
 177. Calarge, C. A., Ellingrod, V. L., Zimmerman, M. B., Blizotes, M. M. & Schlechte, J. A. (2011). Variants of the serotonin transporter gene, selective serotonin reuptake inhibitors, and bone mineral density in risperidone-treated boys: A reanalysis of data from a cross-sectional study with emphasis on pharmacogenetics. (Vols. 72). (12), pp. 1685-1690. *Journal of Clinical Psychiatry*. [PMID: 22244026](#). [PMCID: PMC3653135](#).
 178. Hayreh, S. S., Podhajsky, P. A. & Zimmerman, M. B. (2011). Natural history of visual outcome in central retinal vein occlusion. (Vols. 118). (1), pp. 119-133.e1-2. *Ophthalmology*. [PMID: 20723991](#). [PMCID: PMC2989417](#).
 179. McCarthy, A. M., Hanrahan, K., Scott, L. M., Zemblidge, N., Kleiber, C. & Zimmerman, M. B. (2011). Salivary cortisol responsivity to an intravenous catheter insertion in children with attention-deficit/hyperactivity disorder. (Vols. 36). (8), pp. 902-910. *Jou Pediatr Psychol*. [PMID: 21389037](#). [PMCID: PMC3202938](#).
 180. Hegg, R., Lee, A. G., Tagg, N. T. & Zimmerman, M. B. (2011). Statin or nonsteroidal anti-inflammatory drug use is associated with lower erythrocyte sedimentation rate in patients with giant cell arteritis. (Vols. 31). (2), pp. 135-138. *Journal of Neuro-Ophthalmology*. [PMID: 21358421](#).
 181. Simon, C. M., L'heureux, J., Murray, J. C., Winokur, P., Weiner, G., Newbury, E., Shinkunas, L. & Zimmerman, M. B. (2011). Active choice but not too active: Public perspectives on biobank consent models. (Vols. 13). (9), pp. 821-831. *Genetics in Medicine*. [PMID: 21555942](#). [PMCID: PMC3658114](#).
 182. Singh, M., Singh, M. M., Na, E., Agassandian, K., Zimmerman, M. B. & Johnson, A. K. (2011). Altered ADAR 2 equilibrium and 5HT(2C) R editing in the prefrontal cortex of ADAR 2 transgenic mice. (Vols. 10). (6), pp. 637-647. *Genes, Brain, and Behavior*. [PMID: 21615684](#). [PMCID: PMC3150620](#).
 183. Ko, A. C., Brinton, J. P., Mahajan, V. B., Zimmerman, M. B., Brinton, G. S., Stone, E. M., Folk, J. C. & Mullins, R. F. (2011). Seroreactivity against aqueous-soluble and detergent-soluble retinal proteins in posterior uveitis. (Vols. 129). (4), pp. 415-420. *Archives of Ophthalmology*. [PMID: 21482867](#).
 184. Nopoulos, P. C., Conrad, A. L., Bell, E. F., Strauss, R. G., Widness, J. A., Magnotta, V. A., Zimmerman, M. B., Georgieff, M. K., Lindgren, S. D. & Richman, L. C. (2011). Long-term outcome of brain structure in premature infants: Effects of liberal vs restricted red blood cell transfusions. (Vols. 165). (5), pp. 443-450. *Archives of Pediatrics & Adolescent Medicine*. [PMID: 21199970](#). [PMCID: PMC3622941](#).
 185. Mock, D. M., Matthews, N. I., Zhu, S., Burmeister, L. F., Zimmerman, M. B., Strauss, R. G., Schmidt, R. L., Nalbant, D., Cress, G. A. & Widness, J. A. (2011). Red blood cell (RBC) volume can be independently determined in vivo in humans using RBCs labeled at different densities of biotin. (Vols. 51). (1), pp. 148-157. *Transfusion*. [PMID: 20630041](#). [PMCID: PMC2974011](#).
 186. Fredrickson, L. K., Bell, E. F., Cress, G. A., Johnson, K. J., Zimmerman, M. B., Mahoney, L. T., Widness, J. A. & Strauss, R. G. (2011). Acute physiological effects of packed red blood cell transfusion in preterm infants with different degrees of anaemia. (Vols. 96). (4), pp. F249-F253. *Archives of Disease in Childhood. Fetal Neonatal Edition*. [PMID: 21097838](#). [PMCID: PMC3114194](#).
 187. Ravven, S. E., Zimmerman, M. B., Schultz, S. K. & Wallace, R. B. (2011). 12-month herbal medicine use for mental health from the national Comorbidity Survey Replication (NCS-R). (Vols. 23). (2), pp. 83-94. *Annals of Clinical Psychiatry*. [PMID: 21547268](#).
 188. Segal, N. A., Zimmerman, M. B., Brubaker, M. & Torner, J. C. (2011). Obesity and knee osteoarthritis are not associated with impaired quadriceps specific strength in adults. (Vols. 3). (4), pp. 314-323; quiz

323. PM & R: The Journal of Injury, Function, and Rehabilitation. [PMID: 21497317](#). [PMCID: PMC3080113](#).
189. Martini, S., Van Voorhis, B. J., Stegmann, B. J., Sparks, A. E., Shochet, T., Zimmerman, M. B. & Ryan, G. L. (2011). In vitro fertilization patients support a single blastocyst transfer policy. (Vols. 96). (4), pp. 993-997. *Fertility and Sterility*. [DOI: 10.1016/j.fertnstert.2011.07.1140](#). [PMID: 21868000](#).
190. Hayreh, S. S., Zimmerman, M. B. & Podhajsky, P. A. (2012). Retinal vein occlusion and the optic disk. (Vols. 32). (10), pp. 2108-2118. *Retina*. [PMID: 22914682](#).
191. Heyreh, S. S. & Zimmerman, M. B. (2012). Ocular neovascularization associated with central and hemicentral retinal vein occlusion. (Vols. 32). (8), pp. 1553-1565. *Retina*. [PMID: 22495331](#).
192. Hayreh, S. S. & Zimmerman, M. B. (2012). Hemicentral retinal vein occlusion: Natural history of visual outcome. (Vols. 32). (1), pp. 68-76. *Retina*. [PMID: 21878854](#).
193. Allen, R. C., Zimmerman, M. B., Watterberg, E. A. & Morrison, L. A. (2012). Primary bilateral silicone frontalis suspension for good levator function ptosis in oculopharyngeal muscular dystrophy. (Vols. 96). (6), pp. 841-845. *British Journal of Ophthalmology*. [PMID: 22493036](#).
194. Rakel, B. A., Blodgett, N. P., Zimmerman, M. B., Logsdon-Sackett, N., Clark, C., Noiseux, N., Callaghan, J., Herr, H., Geasland, K., Yang, X. Y. & Sluka, K. A. (2012). Predictors of postoperative movement and resting pain following total knee replacement. (Vols. 153). (11), pp. 2192-2203. *Pain*. [PMID: 22840570](#). [PMCID: PMC3472094](#).
195. Lutgendorf, S. K., DeGeest, K., Bender, D., Ahmed, A., Goodheart, M. J., Dahmouh, L., Zimmerman, M. B., Penedo, F. J., Lucci, J. A., Ganjei-Azar, P., Thaker, P. H., Mendez, Lubaroff, D. M., Slavich, G. M., Cole, S. W. & Sood, A. K. (2012). Social influences on clinical outcomes of patients with ovarian cancer. (Vols. 30). (23), pp. 2885-2890. *Journal of Clinical Psychology*. [PMID: 22802321](#). [PMCID: PMC3410403](#).
196. Hanrahan, K., McCarthy, A. M., Kleiber, C., Ataman, K., Street, N., Zimmerman, M. B. & Ersig, A. L. (2012). Building a computer program to support children, parents, and distraction during healthcare procedures. (Vols. 30). (10), pp. 554-561. *Computers, Informatics, Nursing*. [PMID: 22805121](#). [PMCID: PMC3477263](#).
197. Mock, D. M., Matthews, N. I., Zhu, S., Strauss, R. G., Schmidt, R. L., Zimmerman, M. B., Nalbant, D., Freise, K. J., Saleh, M., Veng-Pedersen, P. & Widness, J. A. (2012). Comparison of red blood cell survival in sheep determined using red blood cells labeled with either biotin at multiple densities or [¹⁴C]cyanate: validation of a model to study human physiology and disease. (Vols. 52). (5), pp. 963-973. *Transfusion*. [PMID: 22229348](#). [PMCID: PMC3564637](#).
198. Sandesara, C. M., Chung, M. K., Van Wagoner, D. R., Barringer, T. A., Allen, K., Ismail, H. M., Zimmerman, M. B. & Olshansky, B. (2012). A randomized, placebo-controlled trial of omega-3 fatty acids for inhibition of supraventricular arrhythmias after cardiac surgery: The FISH Trial. (Vols. 1). (3), pp. e000547. *Journal of the American Heart Association*. [PMID: 23130134](#). [PMCID: PMC3487324](#).
199. Lee, A. G., Oetting, T. A., Blomquist, P. H., Bradford, G., Culican, S. M., Kloek, C., Krishnan, C., Lauer, A. K., Levi, L., Naseri, A., Rubin, S. E., Scott, I. U., Tao, J., Tuli, S., Wright, M. M., WuDunn, D. & Zimmerman, M. B. (2012). A multicenter analysis of the ophthalmic knowledge assessment program and American Board of Ophthalmology written qualifying examination performance. (Vols. 119). (10), pp. 1949-1953. *Ophthalmology*. [PMID: 22841987](#).
200. Kitzmann, A. S., Fethke, N. B., Baratz, K. H., Zimmerman, M. B., Hackbarth, D. J. & Gehrs, G. M. (2012). A survey study of musculoskeletal disorders among eye care physicians compared with family medicine physicians. (Vols. 119). (2), pp. 213-220. *Ophthalmology*. [PMID: 21925736](#).
201. Turner, C. A., Xie, D., Zimmerman, M. B. & Calarge, C. A. (2012). Iron status in toddlerhood predicts sensitivity to psychostimulants in children. (Vols. 16). (4), pp. 295-303. *Journal of Attention Disorders*. [PMID: 20978274](#). [PMCID: PMC3556512](#).
202. Abu Hejleh, T., Deyong, B. R., Engleman, E., Deutsch, J. M., Zimmerman, M. B., Halfdanarson, T. R., Berg, D. J., Parekh, K. R., Lynch, W. R., Iannettoni, M. D., Bhatia, S. & Clamon, G. (2012). Relationship between HER-2 overexpression and brain metastasis in esophageal cancer patients. (Vols. 45). (5), pp. 103-108. *World Journal of Gastrointestinal Oncology*. [PMID: 22645633](#). [PMCID: PMC3360103](#).

203. Calarge, C. A., Nicol, G., Xie, D. & Zimmerman, M. B. (2012). Correlates of weight gain during long-term risperidone treatment in children and adolescents. (Vols. 6). (1), pp. 21. *Child and Adolescent Psychiatry and Mental Health*. [PMID: 22643087](#). [PMCID: PMC3489823](#).
204. Geraldeli, S., Li, Y., Hogan, M. M., Tjaderhane, L. S., Pashley, D. H., Morgan, T. A., Zimmerman, M. B. & Brogan, K. A. (2012). Inflammatory mediators in fluid extracted from the coronal occlusal dentine of trimmed teeth. (Vols. 57). (3), pp. 264-270. *Archives of Oral Biology*. [PMID: 21930261](#). [PMCID: PMC3247661](#).
205. Shafi, S., Zimmerman, M. B. & Kalil, R. (2012). Temporary inactive status on renal transplant waiting list: causes, risk factors, and outcomes. (Vols. 44). (5), pp. 1236-1240. *Transplantation Proceedings*. [PMID: 22663992](#).
206. Harland, K. K., Saftlas, A. S., Wallis, A. B., Yankowitz, J., Triche, W. & Zimmerman, M. B. (2012). Correction of systematic bias in ultrasound dating in studies of small-for-gestational-age birth: An example from the Iowa Health in Pregnancy Study. (Vols. 176). (5), pp. 443-455. *American Journal of Epidemiology*. [PMID: 22886591](#). [PMCID: PMC3499119](#).
207. Vance, C. G., Rakel, B. A., Blodgett, N. P., DeSantana, J. M., Amendola, A., Zimmerman, M. B., Walsh, D. M. & Sluka, K. A. (2012). Effects of transcutaneous electrical nerve stimulation on pain, pain sensitivity, and function in people with knee osteoarthritis: A randomized controlled trial. (Vols. 92). (7), pp. 898-910. *Journal of Orthopaedic and Sports Physical Therapy*. [DOI: 10.2522/ptj.20110183](#). [PMID: 22466027](#). [PMCID: PMC3386514](#).
208. Weiss, R. M., Lund, D. D., Chu, Y., Brooks, R. M., Zimmerman, K. A., Accaoui, R. E., Davis, M. K., Hajj, G. P., Zimmerman, M. B. & Heistad, D. D. (2013). Osteoprotegerin inhibits aortic valve calcification and preserves valve function in hypercholesterolemic mice. (Vols. 8). (6), pp. e65201. *PLoS One*. [PMID: 23762316](#). [PMCID: PMC3675204](#).
209. Longmuir, S. Q., Boese, E. A., Pfeifer, W., Zimmerman, M. B., Short, L. & Scott, W. E. (2013). Practical community photoscreening in very young children. (Vols. 131). (3), pp. e764-769. *Pediatrics*. [PMID: 23400603](#).
210. Amendola, R. L., Reinhardt, J. M., Sato, Y., Zimmerman, M. B., Diggelmann, H. R. & Kacmarynski, D. (2013). Graph-based segmentation of the pediatric trachea in MR images to model growth. *Proceedings SPIE 8672, Medical Imaging 2013: Biomedical Applications in Molecular, Structural, and Functional Imaging*. [DOI: 10.1117/12.2006290](#)
211. Lutgendorf, S. K., Slavich, G. M., DeGeest, K., Goodheart, M., Bender, D., Thaker, P. H., Penedo, F., Zimmerman, M. B., Lucci, J., Mendez, L., Collins, K. & Sood, A. K. (2013). Non-cancer life stressors contribute to impaired quality of life in ovarian cancer patients. (Vols. 131). (3), pp. 667-673. *Gynecologic Oncology*. [PMID: 24096110](#). [PMCID: PMC3882020](#).
212. Pedersen, M., Doyle, M. R., Beste, A., Diekema, D. J., Zimmerman, M. B. & Herwaldt, L. A. (2013). Survey of high school athletic programs in Iowa regarding infections and infection prevention policies and practices. (Vols. 33). pp. 107-113. *The Iowa Orthopaedic Journal*. [PMID: 24027469](#). [PMCID: PMC3748864](#).
213. Akubuiro, A., Zimmerman, M. B., Boles Ponto, L. L., Walsh, S. A., Subderland, J., McCormick, L. & Singh, M. (2013). Hyperactive hypothalamus, motivated and non-distractible chronic overeating in ADAR2 transgenic mice. (Vols. 12). (3), pp. 311-322. *Genes, Brain and Behavior*. [PMID: 23323881](#).
214. Stevens, M., Zimmerman, M. B. & Fasano, M. B. (2013). Assessment of health literacy and asthma outcomes in the primary care setting. (Vols. 131). (2 Supplement), pp. AB161. *The Journal of Allergy and Clinical Immunology*. [DOI: 10.1016/j.jaci.2012.12.1235](#)
215. Nalbant, D., Bhandary, P., Matthews, N. I., Schmidt, R. L., Bogusiewicz, A., Cress, G. A., Zimmerman, M. B., Strauss, R. G., Mock, D. M. & Widness, J. A. (2013). Comparison of multiple red cell volume methods performed concurrently in premature infants following allogeneic transfusion. (Vols. 74). (5), pp. 592-600. *Pediatric Research*. [PMID: 24088873](#). [PMCID: PMC3907947](#).

216. Vyas, A., Swaminathan, { D., Zimmerman, M. B. & Olshansky, B. (2013). Are treatments for vasovagal syncope effective? A meta-analysis. (Vols. 167). (5), pp. 1906-1911. International Journal of Cardiology. [DOI: 10.1016/j.ijcard.2012.04.144](https://doi.org/10.1016/j.ijcard.2012.04.144). [PMID: 22626839](https://pubmed.ncbi.nlm.nih.gov/22626839/).
217. Singh, S. B., Weinberger, M. M., Zimmerman, M. B. & Starner, T. D. (2013). Growth of preschool age children receiving daily inhaled corticosteroids. (Vols. 34). (6), pp. 511-518. Allergy and Asthma Proceedings. [PMID: 24169058](https://pubmed.ncbi.nlm.nih.gov/24169058/).
218. Widness, J. A., Nalbant, D., Matthews, N. I., Strauss, R. G., Schmidt, R. L., Cress, G. A., Zimmerman, M. B. & Mock, D. M. (2013). Tracking donor RBC survival in premature infants: Agreement of multiple populations of biotin-labeled RBCs with Kidd antigen-mismatched RBCs. (Vols. 74). (6), pp. 689-697. Pediatric Research. [DOI: 10.1038/pr.2013.163](https://doi.org/10.1038/pr.2013.163). [PMID: 24108188](https://pubmed.ncbi.nlm.nih.gov/24108188/). [PMCID: PMC3913052](https://pubmed.ncbi.nlm.nih.gov/PMC3913052/).
219. Heyreh, S. S. & Zimmerman, M. B. (2013). Bilateral nonarteritic anterior ischemic optic neuropathy: Comparison of visual outcome in the two eyes. (Vols. 33). (4), pp. 338-343. Journal of Neuroophthalmology. [DOI: 10.1097/WNO.0b013e31829b5d03](https://doi.org/10.1097/WNO.0b013e31829b5d03). [PMID: 23838766](https://pubmed.ncbi.nlm.nih.gov/23838766/).
220. Metcalf, K. M., Singhvi, A., Tsalikian, E., Tansey, M. J., Zimmerman, M. B., Esliger, D. W. & Janz, K. F. (2014). Effects of moderate-to-vigorous intensity physical activity on overnight and next-day hypoglycemia in active adolescents with type 1 diabetes. (Vols. 37). (5), pp. 1272-1278. Diabetes Care. [PMID: 24574352](https://pubmed.ncbi.nlm.nih.gov/24574352/). [PMCID: PMC3994939](https://pubmed.ncbi.nlm.nih.gov/PMC3994939/).
221. Longmuir, S. Q., Oral, R., Walz, A. E., Kemp, P. S., Ryba, J., Zimmerman, M. B. & Abramoff, M. D. (2014). Quantitative measurement of retinal hemorrhages in suspected victims of child abuse. (Vols. 18). (6), pp. 529-533. Journal of AAPOS. [PMID: 25456029](https://pubmed.ncbi.nlm.nih.gov/25456029/).
222. Tracy, C. R., Henning, J. R., Newton, M. R., Aviram, M. & Zimmerman, M. B. (2014). Oxidative stress and nephrolithiasis: A comparative pilot study evaluating the effect of pomegranate extract on stone risk factors and elevated oxidative stress levels of recurrent stone formers and controls. (Vols. 42). (5), pp. 401-408. Urolithiasis. [PMID: 25085198](https://pubmed.ncbi.nlm.nih.gov/25085198/).
223. Khan, I., Zimmerman, M. B., Brophy, P. & Kamath, S. (2014). Masking of syndrome of inappropriate antidiuretic hormone secretion: the isonatremic syndrome. (Vols. 165). (4), pp. 722-726. Journal of Pediatrics. [PMID: 24996987](https://pubmed.ncbi.nlm.nih.gov/24996987/).
224. Heyreh, S. S. & Zimmerman, M. B. (2014). Branch retinal vein occlusion: natural history of visual outcome. (Vols. 132). (1), pp. 13-22. JAMA Ophthalmology. [DOI: 10.1001/jamaophthalmol.2013.5515](https://doi.org/10.1001/jamaophthalmol.2013.5515). [PMID: 24158729](https://pubmed.ncbi.nlm.nih.gov/24158729/).
225. Heyreh, S. S. & Zimmerman, M. B. (2014). Amaurosis fugax in ocular vascular occlusive disorders: Prevalence in pathogeneses. (Vols. 34). (1), pp. 115-122. Retina. [DOI: 10.1097/IAE.0b013e31829234b5](https://doi.org/10.1097/IAE.0b013e31829234b5). [PMID: 23632956](https://pubmed.ncbi.nlm.nih.gov/23632956/).
226. Kumar, A. B., Zimmerman, M. B. & Suneja, M. (2014). Obesity and post-cardiopulmonary bypass-associated acute kidney injury: A single-center retrospective analysis. (Vols. 28). (3), pp. 551-556. Journal of Cardiothoracic and Vascular Anesthesia. [PMID: 24075942](https://pubmed.ncbi.nlm.nih.gov/24075942/).
227. Bisht, B., Darling, W. G., Grossmann, R. E., Shivapour, E. T., Lutgendorf, S. K., Snetselaar, L. G., Hall, M. J., Zimmerman, M. B. & Wahls, T. L. (2014). A multimodal intervention for patients with secondary progressive multiple sclerosis: feasibility and effect on fatigue. (Vols. 20). (5), pp. 347-355. Journal of Alternative and Complementary Medicine. [PMID: 24476345](https://pubmed.ncbi.nlm.nih.gov/24476345/). [PMCID: PMC4011484](https://pubmed.ncbi.nlm.nih.gov/PMC4011484/).
228. Singhvi, A., Tansey, M. J., Janz, K., Zimmerman, M. B. & Tsalikian, E. (2014). Aerobic fitness and glycemic variability in adolescents with type 1 diabetes. (Vols. 20). (6), pp. 566-570. Endocrine Practice. [DOI: 10.4158/EP13211.OR](https://doi.org/10.4158/EP13211.OR). [PMID: 24449660](https://pubmed.ncbi.nlm.nih.gov/24449660/).
229. Noiseux, N. O., Callaghan, J. J., Clark, C. R., Zimmerman, M. B., Sluka, K. A. & Rakel, B. A. (2014). Preoperative predictors of pain following total knee arthroplasty. (Vols. 29). (7), pp. 1383-1387. Journal of Arthroplasty. [DOI: 10.1016/j.arth.2014.01.034](https://doi.org/10.1016/j.arth.2014.01.034). [PMID: 24630598](https://pubmed.ncbi.nlm.nih.gov/24630598/). [PMCID: PMC4065835](https://pubmed.ncbi.nlm.nih.gov/PMC4065835/).
230. Amendola, R. L., Reinhardt, J. M., Zimmerman, M. B., Sato, Y., Diggelmann, H. R. & Kacmarynski, D. S. (2014). Development of a preliminary pediatric tracheal growth model from magnetic resonance images. (Vols. 124). (8), pp. 1947-1951. Laryngoscope. [PMID: 24307560](https://pubmed.ncbi.nlm.nih.gov/24307560/).

231. Ward, M. S., Goins, K. M., Greiner, M. A., Kitzmann, A. S., Sutphin, J. E., Alward, W. L., Greenlee, E. C., Kwon, Y. H., Zimmerman, M. B. & Wagoner, M. D. (2014). Graft survival versus glaucoma treatment after penetrating or Descemet stripping automated endothelial keratoplasty. (Vols. 33). (8), pp. 785-789. *Cornea*. DOI: [10.1097/ICO.000000000000170](https://doi.org/10.1097/ICO.000000000000170). PMID: [24915017](https://pubmed.ncbi.nlm.nih.gov/24915017/).
232. Greiner, M. A., Rixen, J. J., Wagoner, M. D., Schmidt, G. A., Stoeger, C. G., Straiko, M. D., Zimmerman, M. B., Kitzmann, A. S. & Goins, K. M. (2014). Diabetes mellitus increases risk of unsuccessful graft preparation in Descemet membrane endothelial keratoplasty: a multicenter study. *Cornea* 33 (11) 1129-33. DOI: [10.1097/ICO.000000000000262](https://doi.org/10.1097/ICO.000000000000262). PMID: [25222000](https://pubmed.ncbi.nlm.nih.gov/25222000/). ISSN: 0277-3740
233. McCarthy, A. M., Kleiber, C., Hanrahan, K., Zimmerman, M. B., Ersig, A., Westhus, N. & Allen, S. (2014). Matching doses of distraction with child risk for distress during a medical procedure: a randomized clinical trial. *Nursing Research* 63 (6) 397-407. DOI: [10.1097/NNR.000000000000056](https://doi.org/10.1097/NNR.000000000000056). PMID: [25350539](https://pubmed.ncbi.nlm.nih.gov/25350539/). PMCID: [PMC4282990](https://pubmed.ncbi.nlm.nih.gov/PMC4282990/). ISSN: 0029-6562
234. Kelchen, M. N., Holdren, G. O., Farley, M. J., Zimmerman, M. B., Fairley, J. A. & Brogden, N. K. (2014). Optimization of impedance spectroscopy techniques for measuring cutaneous micropore formation after microneedle treatment in an elderly population. (Vols. 131). (12), pp. 3478-3486. *Pharmaceutical Research*. PMID: [24947437](https://pubmed.ncbi.nlm.nih.gov/24947437/).
235. Rakel, B. A., Zimmerman, M. B., Geasland, K., Embree, J., Clark, C. R., Noiseux, N. O., Callaghan, J. J., Herr, K., Walsh, D. & Sluka, K. A. (2014). Transcutaneous electrical nerve stimulation for the control of pain during rehabilitation after total knee arthroplasty: A randomized, blinded, placebo-controlled trial. (Vols. 155). (12), pp. 2599-2611. *Pain*. DOI: [10.1016/j.pain.2014.09.025](https://doi.org/10.1016/j.pain.2014.09.025). PMID: [25270585](https://pubmed.ncbi.nlm.nih.gov/25270585/). PMCID: [PMC4250415](https://pubmed.ncbi.nlm.nih.gov/PMC4250415/).
236. Heyreh, S. S. & Zimmerman, M. B. (2015). Fundus changes in central retinal vein occlusion. (Vols. 35). (1), pp. 29-42. *Retina*. DOI: [10.1097/IAE.000000000000256](https://doi.org/10.1097/IAE.000000000000256). PMID: [25084156](https://pubmed.ncbi.nlm.nih.gov/25084156/). PMCID: [PMC4276535](https://pubmed.ncbi.nlm.nih.gov/PMC4276535/).
237. Wibbenmeyer, L., Eid, A., Kluesner, K., Heard, J., Zimmerman, M. B., Kealey, G. P. & Brennan, T. (2015). An evaluation of factors related to postoperative pain control in burn patients. (Vols. 36). (5), pp. 580-586. *Journal of Burn Care & Research*. DOI: [10.1097/BCR.000000000000199](https://doi.org/10.1097/BCR.000000000000199). PMID: [26335109](https://pubmed.ncbi.nlm.nih.gov/26335109/).
238. Noehren, B., Dailey, D. L., Rakel, B. A., Vance, C. G., Zimmerman, M. B., Crofford, L. J. & Sluka, K. A. (2015). Effect of transcutaneous electrical nerve stimulation on pain, function, and quality of life in fibromyalgia: A double-blind randomized clinical trial. (Vols. 95). (1), pp. 129-140. *Physical Therapy*. DOI: [10.2522/ptj.20140218](https://doi.org/10.2522/ptj.20140218). PMID: [25212518](https://pubmed.ncbi.nlm.nih.gov/25212518/). PMCID: [PMC4295083](https://pubmed.ncbi.nlm.nih.gov/PMC4295083/).
239. Crockett, C. D., Bertrand, L. A., Cooper, C. S., Rahhal, R. M., Liu, K., Zimmerman, M. B., Moore, S. A. & Matthews, K. D. (2015). Urologic and gastrointestinal symptoms in the dystroglycanopathies. (Vols. 84). (5), pp. 532-539. *Neurology*. DOI: [10.1212/WNL.0000000000001213](https://doi.org/10.1212/WNL.0000000000001213). PMID: [25568299](https://pubmed.ncbi.nlm.nih.gov/25568299/). PMCID: [PMC4336067](https://pubmed.ncbi.nlm.nih.gov/PMC4336067/).
240. Wibbenmeyer, L., Oltrogge, K., Kluesner, K., Zimmerman, M. B. & Kealey, P. G. (2015). An evaluation of discharge opioid prescribing practices in a burn population. (Vols. 36). (2), pp. 329-335. *Journal of Burn Care Research*. DOI: [10.1097/BCR.000000000000110](https://doi.org/10.1097/BCR.000000000000110). PMID: [25680091](https://pubmed.ncbi.nlm.nih.gov/25680091/).
241. Vislisel, J. M., Liaboe, C. A., Wagoner, M. D., Goins, K. M., Sutphin, J. E., Schmidt, G. A., Zimmerman, M. B. & Greiner, M. A. (2015). Graft survival of diabetic versus nondiabetic donor tissue after initial keratoplasty. (Vols. 34). (4), pp. 370-374. *Cornea*. DOI: [10.1097/ICO.000000000000378](https://doi.org/10.1097/ICO.000000000000378). PMID: [25642643](https://pubmed.ncbi.nlm.nih.gov/25642643/).
242. Rakel, B., Vance, C., Zimmerman, M. B., Petsas-Blodgett, N., Amendola, A. & Sluka, K. A. (2015). Mechanical hyperalgesia and reduced quality of life occur in people with mild knee osteoarthritis pain. (Vols. 31). (4), pp. 315-322. *Clinical Journal of Pain*. PMID: [24866856](https://pubmed.ncbi.nlm.nih.gov/24866856/).
243. Boyer, E. M., Thompson, N., Hill, T. & Zimmerman, M. B. (2015). The relationship between methamphetamine use and dental caries and missing teeth. (Vols. 89). (2), pp. 119-131. *Journal of Dental Hygiene*. PMID: [25883373](https://pubmed.ncbi.nlm.nih.gov/25883373/).

244. Greiner, M. A., Burckart, K. A., Wagoner, M. D., Schmidt, G. A., Reed, C. R., Liaboe, C. A., Flamme-Wiese, M. J., **Zimmerman, M. B.**, Mullins, R. F. & Kardon, R. H. (2015). Regional assessment of energy-producing metabolic activity in the endothelium of donor corneas. (Vols. 56). (5), pp. 2803-2810. *Investigative Ophthalmology & Visual Science*. DOI: [10.1167/iovs.15-16442](https://doi.org/10.1167/iovs.15-16442). PMID: [26024071](https://pubmed.ncbi.nlm.nih.gov/26024071/).
245. Swift, S. H., **Zimmerman, M. B.** & Hardy-Fairbanks, A. J. (2015). Effect of single-use negative pressure wound therapy on postcesarean infections and wound complications for highRisk patients. *The Journal of Reproductive Medicine* 60 (5-6) 211-8. PMID: [26126306](https://pubmed.ncbi.nlm.nih.gov/26126306/). ISSN: 0024-7758
246. Heyreh, S. S. & Zimmerman, M. B. (2015). Fundus changes in branch retinal vein occlusion. (Vols. 35). (5), pp. 1016-1027. *Retina*. DOI: [10.1097/IAE.0000000000000418](https://doi.org/10.1097/IAE.0000000000000418). PMID: [25574785](https://pubmed.ncbi.nlm.nih.gov/25574785/). PMCID: [PMC4408204](https://pubmed.ncbi.nlm.nih.gov/PMC4408204/).
247. Allen, R. C., Hong, E. S., Zimmerman, M. B., Morrison, L. A., Nerad, J. A. & Carter, K. D. (2015). Factors affecting eyelid crease formation before and after silicone frontalis suspension for adult-onset myogenic ptosis. (Vols. 31). (3), pp. 227-232. *Ophthalmic Plastic Reconstructive Surgery*. DOI: [10.1097/IOP.0000000000000272](https://doi.org/10.1097/IOP.0000000000000272). PMID: [25198392](https://pubmed.ncbi.nlm.nih.gov/25198392/).
248. Cherfane, C. E., Gessel, L., Cirillo, D. & **Zimmerman, M. B.** (2015). Monocytosis and a low lymphocyte to monocyte ratio are effective biomarkers of ulcerative colitis disease activity. (Vols. 21). (8), pp. 1769-1775. *Inflammatory Bowel Diseases*. DOI: [10.1097/MIB.0000000000000427](https://doi.org/10.1097/MIB.0000000000000427). PMID: [25993688](https://pubmed.ncbi.nlm.nih.gov/25993688/).
249. Hayreh, S. S. & **Zimmerman, M. B.** (2015). Fundus changes in branch retinal arteriolar occlusion. *Retina (Philadelphia, Pa.)* 35 (10) 2060-6. DOI: [10.1097/IAE.0000000000000585](https://doi.org/10.1097/IAE.0000000000000585). PMID: [26274038](https://pubmed.ncbi.nlm.nih.gov/26274038/). ISSN: 0275-004X
250. Widness, J. A., Kuruvilla, D. J., Mock, D. M., Matthews, N. I., Cress, G. A., Schmidt, R. L., Strauss, R. G., **Zimmerman, M. B.** & Veng-Pedersen, P. (2015). Autologous infant and allogeneic adult red cells demonstrate similar concurrent post-transfusion survival in very low birth weight neonates. (Vols. 167). (5), pp. 1001-1006. *Journal of Pediatrics*. DOI: [10.1016/j.jpeds.2015.08.028](https://doi.org/10.1016/j.jpeds.2015.08.028). PMID: [26363547](https://pubmed.ncbi.nlm.nih.gov/26363547/). PMCID: [PMC4661104](https://pubmed.ncbi.nlm.nih.gov/PMC4661104/).
251. Hindman, B. J., From, R. P., Fontes, R. B., Traynelis, V. C., Todd, M. M., **Zimmerman, M. B.**, Puttlitz, C. M. & Santoni, B. G. (2015). Intubation biomechanics: Laryngoscope force and cervical spine motion during intubation in cadavers-cadavers versus patients, the effect of repeated intubations, and the effect of type II odontoid fracture on C1-C2 motion. (Vols. 123). (5), pp. 1042-1058. *Anesthesiology*. DOI: [10.1097/ALN.0000000000000830](https://doi.org/10.1097/ALN.0000000000000830). PMID: [26288267](https://pubmed.ncbi.nlm.nih.gov/26288267/). PMCID: [PMC4618231](https://pubmed.ncbi.nlm.nih.gov/PMC4618231/).
252. Aldrich, B. T., Stockman, A. M., Freiburger, M. J., Shinkunas, T. J., Burckart, K. A., Schmidt, G. A., Reed, C. R., **Zimmerman, M. B.**, Goins, K. M., Wagoner, M. D. & Greiner, M. A. (2015). A simple and reliable technique to orient donor corneal tissue using the radial width of the surgical limbus. (Vols. 34). (12), pp. 1632-1636. *Cornea*. DOI: [10.1097/ICO.0000000000000652](https://doi.org/10.1097/ICO.0000000000000652). PMID: [26488631](https://pubmed.ncbi.nlm.nih.gov/26488631/).
253. Darbro, B. W., Singh, R., **Zimmerman, M. B.**, Mahajan, V. B. & Bassuk, A. G. (2016). Autism linked to increased oncogene mutations but decreased cancer rate. (Vols. 11). (3), pp. e0149041. *PLoS One*. DOI: [10.1371/journal.pone.0149041](https://doi.org/10.1371/journal.pone.0149041). PMID: [26934580](https://pubmed.ncbi.nlm.nih.gov/26934580/). PMCID: [PMC4774916](https://pubmed.ncbi.nlm.nih.gov/PMC4774916/).
254. Kalil, G. Z., Recober, A., Hoang-Tienor, A., **Zimmerman, M. B.**, Haynes, W. G. & Pierce, G. L. (2016). Higher augmentation index is associated with tension-type headache and migraine in middle-aged/older humans with obesity. *Obesity (Silver Spring)* 24 (4) 865-870. DOI: [10.1002/oby.21414](https://doi.org/10.1002/oby.21414). PMID: [26847595](https://pubmed.ncbi.nlm.nih.gov/26847595/).
255. Brumbaugh, J. E., Conrad, A. L., Lee, J. K., DeVolder, I. J., **Zimmerman, M. B.**, Magnotta, V. A., Axelson, E. D. & Nopoulos, P. C. (2016). Altered brain function, structure, and developmental trajectory in children born late preterm. (Vols. 80). (2), pp. 197-203. *Pediatric Research*. DOI: [10.1038/pr.2016.82](https://doi.org/10.1038/pr.2016.82). PMID: [27064239](https://pubmed.ncbi.nlm.nih.gov/27064239/). PMCID: [PMC4990473](https://pubmed.ncbi.nlm.nih.gov/PMC4990473/).
256. Anderson, R., Kleiber, C., Greiner, J., Comried, L. & **Zimmerman, M.** (2016). Interface pressure redistribution on skin during continuous lateral rotation therapy: A feasibility study. *Heart Lung* 45 (3) 237-243. DOI: [10.1016/j.hrtlng.2016.02.003](https://doi.org/10.1016/j.hrtlng.2016.02.003). PMID: [26992481](https://pubmed.ncbi.nlm.nih.gov/26992481/).

268. McConnell, L. K., Syed, N. A., **Zimmerman, M. B.**, Carter, K. D., Nerad, J. A., Allen, R. C. & Shriver, E. M. (2017). An analysis of conjunctival map biopsies in sebaceous carcinoma. *Ophthalmic Plastic Reconstructive Surgery* 33 (1) 17-21. DOI: [10.1097/IOP.0000000000000616](https://doi.org/10.1097/IOP.0000000000000616). PMID: 26836812.
269. Sharma, N., Naraev, B. G., Engelman, E. G., **Zimmerman, M. B.**, Bushnell, Jr., D. L., O'Dorisio, T. M., O'Dorisio, M. S., Menda, Y., Muller-Brand, J., Howe, J. R. & Halfdanarson, T. R. (2017). Peptide receptor radionuclide therapy outcomes in a North American cohort with metastatic well-differentiated neuroendocrine tumors. *Pancreas* 46 (2) 151-156. DOI: [10.1097/MPA.0000000000000734](https://doi.org/10.1097/MPA.0000000000000734). PMID: [27759712](https://pubmed.ncbi.nlm.nih.gov/27759712/). PMCID: [PMC5595066](https://pubmed.ncbi.nlm.nih.gov/PMC5595066/).
270. Brun, B. N., Mockler, S. R., Laubscher, K. M., Stephan, C. M., Wallace, A. M., Collison, J. A., **Zimmerman, M. B.**, Dobyns, W. B. & Mathews, K. D. (2017). Comparison of brain MRI findings with language and motor function in the dystroglycanopathies. *Neurology* 88 (7) 623-629. DOI: [10.1212/WNL.0000000000003609](https://doi.org/10.1212/WNL.0000000000003609). PMID: 28087826. PMCID: [PMC5317381](https://pubmed.ncbi.nlm.nih.gov/PMC5317381/).
271. McCullagh, B. N., Comellas, A. P., Ballas, Z. K., Newell, Jr., K. D., **Zimmerman, M. B.** & Azar, A. E. (2017). Antibody deficiency in patients with frequent exacerbations of Chronic Obstructive Pulmonary Disease (COPD). *PLoS One* 12 (2) e0172437. DOI: [10.1371/journal.pone.0172437](https://doi.org/10.1371/journal.pone.0172437). PMID: 28212436. PMCID: [PMC5315316](https://pubmed.ncbi.nlm.nih.gov/PMC5315316/).
272. Brun, B. N., Mockler, S. R., Laubscher, K. M., Stephan, C. M., Collison, J. A., **Zimmerman, M. B.** & Mathews, K. D. (2017). Childhood activity on progression in limb girdle muscular dystrophy 2I. *Journal of Child Neurology* 32 (2) 204-209. DOI: [10.1177/0883073816677680](https://doi.org/10.1177/0883073816677680). PMID: 27872178. PMCID: [PMC5464953](https://pubmed.ncbi.nlm.nih.gov/PMC5464953/).
273. Aldrich, B. T., Schlotzer-Schrehardt, U., Skeie, J. M., Burckart, K. A., Schmidt, G. A., Reed, C. R., **Zimmerman, M. B.**, Kruse, F. E. & Greiner, M. A. (2017). Mitochondrial and morphologic alterations in native human corneal endothelial cells associated with diabetes mellitus. *Investigative Ophthalmology & Visual Sciences* 58 (4) 2130-2138. DOI: [10.1167/iovs.16-21094](https://doi.org/10.1167/iovs.16-21094). PMID: 28395029.
274. Ersig, A. L., Schutte, D. L., Standley, J., Leslie, E., **Zimmerman, M. B.**, Kleiber, C., Hanrahan, K., Murray, J. C. & McCarthy, A. M. (2017). Relationship of genetic variants with procedural pain, anxiety, and distress in children. *Biological Research for Nursing* 19 (3) 339-349. DOI: [10.1177/1099800417692878](https://doi.org/10.1177/1099800417692878). PMID: [28413930](https://pubmed.ncbi.nlm.nih.gov/28413930/). PMCID: [PMC5609488](https://pubmed.ncbi.nlm.nih.gov/PMC5609488/).
275. Liaboe, C. A., Aldrich, B. T., Carter, P. C., Skeie, J. M., Burckart, K. A., Schmidt, G. S., Reed, C. R., **Zimmerman, M. B.** & Greiner, M. A. (2017). Assessing the impact of diabetes mellitus on donor corneal endothelial cell density. *Cornea* 36 (5) 561-566. DOI: [10.1097/ICO.0000000000001174](https://doi.org/10.1097/ICO.0000000000001174). PMID: [28306601](https://pubmed.ncbi.nlm.nih.gov/28306601/).
276. Hadlandsmyth, K., Sabic, E., **Zimmerman, M. B.**, Sluka, K. A., Herr, K. A., Clark, C. R., Noiseux, N. O., Callaghan, J. J., Geasland, K. M., Embree, J. L. & Rakel, B. A. (2017). Relationships among pain intensity, pain-related distress, and psychological distress in pre-surgical total knee arthroplasty patients: A secondary analysis. *Psychology, Health & Medicine* 22 (5) 552-569. DOI: [10.1080/13548506.2016.1189581](https://doi.org/10.1080/13548506.2016.1189581). PMID: 27216314. PMCID: [PMC5414582](https://pubmed.ncbi.nlm.nih.gov/PMC5414582/).
277. Spengler, E. K., Hunsicker, L. G., Zarei, S., **Zimmerman, M. B.** & Voigt, M. D. (2017). Transjugular intrahepatic portosystemic shunt does not independently increase risk of death in high model for end stage liver disease patients. *Hepatology Communications* 1 (5) 460-468. DOI: [10.1002/hep4.1053](https://doi.org/10.1002/hep4.1053). PMID: 29404473. PMCID: [PMC5721420](https://pubmed.ncbi.nlm.nih.gov/PMC5721420/).
278. Troendle, D. M., Fishman, D. S., Barth, B. A., Giefer, M. J., Lin, T. K., Liu, Q. Y., Abu-El-Haija, M., Bellin, M. D., Durie, P. R., Freedman, S. D., Garipey, G., Gonska, T., Heyman, M. B., Himes, R., Husain, S. Z., Kumar, S., Lowe, M. E., Morinville, V. D., O, C. Y., Palermo, J., Pohl, J. F., Schwarzenberg, S. J., Werlin, S., Wilschanski, M., **Zimmerman, M. B.** & Uc, A. (2017). Therapeutic endoscopic retrograde cholangiopancreatography in pediatric patients with acute recurrent and chronic pancreatitis: Data from the INSPPIRE (INternational Study group of Pediatric Pancreatitis: in search for a cuRE) Study. *Pancreas* 46 (6) 764-769. DOI: [10.1097/MPA.0000000000000848](https://doi.org/10.1097/MPA.0000000000000848). PMID: 28609364. PMCID: [PMC5502745](https://pubmed.ncbi.nlm.nih.gov/PMC5502745/).

279. Christiaansen, A. F., Dixit, U. G., Coler, R. N., Marie Beckmann, A., Reed, S. G., Winokur, P. L., **Zimmerman, M. B.**, Varga, S. M. & Wilson, M. E. (2017). CD11a and CD49d enhance the detection of antigen-specific T cells following human vaccination. *Vaccine* 35 (33) 4255-4261. DOI: [10.1016/j.vaccine.2017.06.013](https://doi.org/10.1016/j.vaccine.2017.06.013). PMID: 28662951. PMCID: PMC5551405.
280. Munch, E. M., Sparks, A. E., **Zimmerman, M. B.**, Van Voorhis, B. J. & Duran, E. H. (2017). High FSH dosing is associated with reduced live birth rate in fresh but not subsequent frozen embryo transfers. *Human Reproduction* 32 (7) 1402-1409. DOI: [10.1093/humrep/dex094](https://doi.org/10.1093/humrep/dex094). PMID: 28472321.
281. Giefer, M. J., Lowe, M. E., Werlin, S. L., **Zimmerman, M. B.**, Wilschanski, M., Troendle, D., Schwarzenberg, S. J., Pohl, J. F., Palermo, J., Ooi, C. Y., Morinville, V. D., Lin, T. K., Husain, S. Z., Himes, R., Heyman, M. B., Gonska, T., Garipey, C. E., Freedman, S. D., Fishman, D. S., Bellin, M. D., Barth, B., Abu-El-Haija, M. & Uc, A. (2017). Early-onset acute recurrent and chronic pancreatitis is associated with PRSS1 or CTSC gene mutations. *Journal of Pediatrics* 186 95-100. DOI: [10.1016/j.jpeds.2017.03.063](https://doi.org/10.1016/j.jpeds.2017.03.063). PMID: 28502372. PMCID: PMC5506853.
282. Merriwether, E. N., Rakel, B. A., **Zimmerman, M. B.**, Dailey, D. L., Vance, C. G., Darghosian, L., Golchha, M., Geasland, K. M., Chimenti, R., Crofford, L. J. & Sluka, K. A. (2017). Reliability and construct validity of the Patient-Reported Outcomes Measurement Information System (PROMIS) instruments in women with fibromyalgia. *Pain Medicine* 18 (8) 1485-1489. DOI: [10.1093/pm/pnw187](https://doi.org/10.1093/pm/pnw187). PMID: 27561310. PMCID: PMC6279305.
283. Hadlandsmyth, K., Dailey, D. L., Rakel, B. A., **Zimmerman, M. B.**, Vance, C. G., Merriwether, E. N., Chimenti, R. L., Geasland, K. M., Crofford, L. J. & Sluka, K. A. (2017). Somatic symptom presentations in women with fibromyalgia are differentially associated with elevated depression and anxiety. *Journal of Health Psychology* 1 1359105317736577. DOI: [10.1177/1359105317736577](https://doi.org/10.1177/1359105317736577). PMID: 29076404. PMCID: PMC6287969.
284. Scheers, I., Palermo, J. J., Freedman, S., Wilschanski, M., Shah, U., Abu-El-Haija, M., Barth, B., Fishman, D. S., Garipey, C., Giefer, M. J., Heyman, M. B., Himes, R. W., Husain, S. Z., Lin, T. K., Liu, Q., Lowe, M., Mascarenhas, M., Morinville, V., Ooi, C. Y., Perito, E. R., Piccoli, D. A., Pohl, J. F., Schwarzenberg, S. J., Troendle, D., Werlin, S., **Zimmerman, M. B.**, Uc, A. & Gonska, T. (2017). Autoimmune pancreatitis in children: Characteristic features, diagnosis, and management. *American Journal of Gastroenterology* 112 (10) 1604-1611. DOI: [10.1038/ajg.2017.85](https://doi.org/10.1038/ajg.2017.85). PMID: 28374818. PMCID: PMC5908471.
285. Abrons, R. O., **Zimmerman, M. B.** & El-Hattab, Y. (2017). Nasotracheal intubation over a bougie vs. non-bougie intubation: A prospective randomized, controlled trial in older children and adults using videolaryngoscopy. *Anaesthesia* 72 (12) 1491-1500. DOI: [10.1111/anae.14029](https://doi.org/10.1111/anae.14029). PMID: 28921537.
286. Carlson, C. R., McGaughey, S. D., Eskuri, J. M., Stephan, C. M., **Zimmerman, M. B.** & Mathews, K. D. (2017). Illness-associated muscle weakness in dystroglycanopathies. *Neurology* 89 (23) 2374-2380. DOI: [10.1212/WNL.0000000000004720](https://doi.org/10.1212/WNL.0000000000004720). PMID: 29101272. PMCID: PMC5719925.
287. Cooper, N. A., Rakel, B. A., **Zimmerman, M. B.**, Tonelli, S. M., Herr, K. A., Clark, C. R., Noiseux, N. O., Callaghan, J. J. & Sluka, K. A. (2017). Predictors of multidimensional functional outcomes after total knee arthroplasty. *Journal of Orthopaedic Research* 35 (12) 2790-2798. DOI: [10.1002/jor.23596](https://doi.org/10.1002/jor.23596). PMID: 28471509.
288. Kuthy, R. A., McKernan, S. C., Pooley, M. & **Zimmerman, M. B.** (2018). Relationship between community-level variables and number of general dentists. *Journal of the American Dental Association* 149 (4) 308-316. DOI: [10.1016/j.adaj.2017.11.007](https://doi.org/10.1016/j.adaj.2017.11.007). PMID: 29478702.
289. Evans, J. A., Clark, T. J., **Zimmerman, M. B.**, Allen, R. C., Nerad, J. A., Carter, K. D. & Shriver, E. M. (2018). Rethinking our definition of postoperative success: A comparative analysis of three upper eyelid retraction repair techniques using novel metrics to capture functional and aesthetic outcomes. *Ophthalmic Plastic and Reconstructive Surgery* 34 (1) 56-63. DOI: [10.1097/IOP.0000000000000868](https://doi.org/10.1097/IOP.0000000000000868). PMID: 28195872.
290. Nalbant, D., Cancelas, J. A., Mock, D. M., Kyosseva, S. V., Schmidt, R. L., Cress, G. A., **Zimmerman, M. B.**, Strauss, R. G. & Widness, J. A. (2018). In premature infants there is no decrease in 24-hour

- posttransfusion allogeneic red blood cell recovery after 42 days of storage. *Transfusion* 58 (2) 352-358. DOI: [10.1111/trf.14396](https://doi.org/10.1111/trf.14396). PMID: 29193118. PMCID: PMC5803343.
291. Hadlandsmyth, K., **Zimmerman, M. B.**, Wajid, R., Sluka, K. A., Herr, K., Clark, C. R., Noiseux, N. O., Callaghan, J. J. & Rakel, B. A. (2018). Longitudinal postoperative course of pain and dysfunction following total knee arthroplasty. *Clinical Journal of Pain* 34 (4) 332-338. DOI: [10.1097/AJP.0000000000000540](https://doi.org/10.1097/AJP.0000000000000540). PMID: 28731957. PMCID: PMC5775938.
 292. Merriwether, E. N., Frey-Law, L. A., Rakel, B. A., **Zimmerman, M. B.**, Dailey, D. L., Vance, C. G., Golchha, M., Geasland, K. M., Chimenti, R., Crofford, L. J. & Sluka, K. A. (2018). Physical activity is related to function and fatigue but not pain in women with fibromyalgia: Baseline analyses from the Fibromyalgia Activity Study with TENS (FAST). *Arthritis Research & Therapy* 20 (1) 199. DOI: [10.1186/s13075-018-1671-3](https://doi.org/10.1186/s13075-018-1671-3). PMID: 30157911. PMCID: PMC6116369.
 293. Scheers, I., Palermo, J. J., Freedman, S., Wilschanski, M., Shah, U., Abu-El-Haija, M., Barth, B., Fishman, D. S., Garipey, C., Giefer, M. J., Heyman, M. B., Himes, R. W., Hussain, S. Z., Lin, T. K., Liu, Q., Lowe, M., Mascarenhas, M., Morinville, V., Ooi, C. Y., Perito, E. R., Piccoli, D. A., Pohl, J. F., Schwarzenberg, S. J., Troendle, D., Werlin, S., **Zimmerman, M. B.**, Uc, A. & Gonska, T. (2018). Recommendations for diagnosis and management of autoimmune pancreatitis in childhood: Consensus from INSPPIRE. *Journal of Pediatric Gastroenterology and Nutrition* 67 (2) 232-236. DOI: [10.1097/MPG.0000000000002028](https://doi.org/10.1097/MPG.0000000000002028). PMID: 29746340. PMCID: PMC6059991.
 294. Uc, A., **Zimmerman, M. B.**, Wilschanski, M., Werlin, S. L., Troendle, D., Shah, U., Schwarzenberg, S. J., Rhee, S., Pohl, J. F., Perito, E. R., Palermo, J. J., Ooi, C. Y., Liu, Q., Lin, T. K., Morinville, V. D., McFerron, B. A., Husain, S. Z., Himes, R., Heyman, M. B., Gonska, T., Giefer, M. J., Gairepy, D. E., Freedman, S. D., Fishman, D. S., Bellin, M. D., Barth, B., Abu-El-Haija, M. & Lowe, M. E. (2018). Impact of obesity on pediatric acute recurrent and chronic pancreatitis. *Pancreas* 47 (8) 967-973. DOI: [10.1097/MPA.0000000000001120](https://doi.org/10.1097/MPA.0000000000001120). PMID: 30059474. PMCID: PMC6095802.
 295. Vance, C. G., Chimenti, R. L., Dailey, D. L., Hadlandsmyth, K., **Zimmerman, M. B.**, Geasland, K. M., Williams, J. M., Merriwether, E. N., Alemo Munters, L., Rakel, B. A., Crofford, L. J. & Sluka, K. A. (2018). Development of a method to maximize the transcutaneous electrical nerve stimulation intensity in women with fibromyalgia. *Journal of Pain Research* 11 2269-2278. DOI: [10.2147/JPR.S168297](https://doi.org/10.2147/JPR.S168297). PMID: 30349353. PMCID: PMC6188186.
 296. Baker, K. K., Story, W. T., Walser-Kuntz, E. & **Zimmerman, M. B.** (2018). Impact of social capital, harassment of women and girls, and water and sanitation access on premature birth and low infant birth weight in India. *PLoS One* 13 (10) e0205345. DOI: [10.1371/journal.pone.0205345](https://doi.org/10.1371/journal.pone.0205345). PMID: 30296283. PMCID: PMC6175511.
 297. Dindo, L., **Zimmerman, M. B.**, Hadlandsmyth, K., StMarie, B., Embree, J., Marachman, J., Tripp-Reimer, T. & Rakel, B. (2018). Acceptance and commitment therapy for prevention of chronic post-surgical pain and opioid use in at-risk veterans: A pilot randomized controlled study. *Journal of Pain* 19 (10) 1211-1221. DOI: [10.1016/j.jpain.2018.04.016](https://doi.org/10.1016/j.jpain.2018.04.016). PMID: 29777950. PMCID: PMC6163061.
 298. Goldstein, A. S., Aldrich, B. T., Skeie, J. M., Schmidt, G. A., Reed, C. R., **Zimmerman, M. B.** & Greiner, M. A. (Eds.) (2018). Assessing the effects of Ripasudil, a novel rho kinase inhibitor, on human corneal endothelial cell health. *Journal of Ocular Pharmacology and Therapeutics* Epub ahead of print. DOI: [10.1089/jop.2018.0063](https://doi.org/10.1089/jop.2018.0063). PMID: 30312120.
 299. Rao, S. S., Valestin, J. A., Xiang, X., Hamdy, S., Bradley, C. S. & **Zimmerman, M. B.** (2018). Home-based versus office-based biofeedback therapy for constipation with dyssynergic defecation: A randomised controlled trial. *The Lancet Gastroenterology & Hepatology* 3 (11) 768-777. DOI: [10.1016/S2468-1253\(18\)30266-8](https://doi.org/10.1016/S2468-1253(18)30266-8). PMID: 30236904. PMCID: PMC6206847.
 300. Roh, S., Iannettoni, M. D., Keech, J., Arshava, E. V., Swatek, A., **Zimmerman, M. B.**, Weigel, R. J. & Parekh, K. R. (2019). Timing of esophagectomy after neoadjuvant chemoradiation therapy affects the incidence of anastomotic leaks. *Korean Journal of Thoracic and Cardiovascular Surgery* 52 (1) 1-8. DOI: [10.5090/kjtcs.2019.52.1.1](https://doi.org/10.5090/kjtcs.2019.52.1.1). PMID: 30834211. PMCID: PMC6383855.

301. Arthur, C. M., Nalbant, D., Feldman, H. A., Saeedi, B. J., Matthews, J., Robinson, B. S., Kamili, N. A., Bennett, A., Cress, G. A., Sola-Visner, M., Jones, R. M., **Zimmerman, M. B.**, Neish, A. S., Patel, R. M., Nopoulos, P., Georgieff, M. K., Roback, J. D., Widness, J. A., Josephson, C. D. & Stowell, S. R. (2019). Anemia induces gut inflammation and injury in an animal model of preterm infants. *Transfusion* 59 (4) 1233-1245. DOI: [10.1111/trf.15254](https://doi.org/10.1111/trf.15254). PMID: 30897226. PMCID: [PMC6525338](https://pubmed.ncbi.nlm.nih.gov/PMC6525338/).
302. Ersig, A. L., Schutte, D. L., Standley, J., Leslie, E. J., **Zimmerman, M. B.**, Hanrahan, K., Murray, J. C. & McCarthy, A. M. (2019). Genetic variants and the cortisol response in children: An exploratory study. *Biological Research for Nursing* 21 (2) 157-165. DOI: [10.1177/1099800419826315](https://doi.org/10.1177/1099800419826315). PMID: 30700110. PMCID: [PMC6700893](https://pubmed.ncbi.nlm.nih.gov/PMC6700893/).
303. Schwarzenberg, S. J., Uc, A., **Zimmerman, M. B.**, Wilschanski, M., Wilcox, C. M., Whitcomb, D. C., Werlin, S. L., Troendle, D., Tang, G., Slivka, A., Singh, V. K., Sherman, S., Shah, U., Sandhu, B. S., Romagnuolo, K., Rhee, S., Pohl, J. F., Perito, E. R., Ooi, C. Y., Nathan, J. D., Muniraj, T., Morinville, V. D., McFerron, B., Mascarenhas, M., Maqbool, A., Liu, Q., Lin, T. K., Lewis, M., Husain, S. Z., Himes, R., Heyman, M. B., Guda, N., Gonska, T., Giefer, M. J., Gelrud, A., Garipey, C. E., Gardner, T. B., Freedman, S. D., Forsmark, C. E., Fishman, D. S., Cote, G. A., Conwell, D., Brand, R. E., Bellin, M., Barth, B., Banks, P. A., Anderson, M. A., Amann, S. T., Alkaade, S., Abu-El-Haija, M., Abberbock, J. N., Lowe, M. E. & Yadav, D. (2019). Chronic pancreatitis: Pediatric and adult cohorts show similarities in disease progress despite different risk factors. *Journal of Pediatric Gastroenterology and Nutrition* 68 (4) 566-573. DOI: [10.1097/MPG.0000000000002279](https://doi.org/10.1097/MPG.0000000000002279). PMID: 30897605. PMCID: [PMC6492264](https://pubmed.ncbi.nlm.nih.gov/PMC6492264/).
304. Handlandsmyth, K., Dindo, L. N., St Marie, B. J., Wajid, R., Embree, J. L., Noiseux, N. O., Tripp-Reimer, T., **Zimmerman, M. B.** & Rakel, B. A. (2019). Patient-Reported Outcomes Measurement Information System (PROMIS) instruments: Reliability and validity in veterans following orthopedic surgery. *Evaluations and the Health Professions* 13 163278719856406 [Epub ahead of print]. DOI: [10.1177/0163278719856406](https://doi.org/10.1177/0163278719856406). PMID: 31195828.
305. Lin, T. K., Abu-El-Haija, M., Nathan, J. D., Palermo, J. P., Barth, B., Bellin, M., Fishman, D. S., Freedman, S. D., Garipey, C. E., Giefer, M. J., Gonska, T., Heyman, M. B., Himes, R., Husain, S. Z., Liu, Q., Maqbool, A., Mascarenhas, M., McFerron, B., Morinville, B. D., Ooi, C. Y., Perito, E., Pohn, J. F., Rhee, S., Schwarzenberg, S. J., Shah, U., Troendle, D., Werlin, S. L., Wilschanski, M., **Zimmerman, M. B.**, Lowe, M. E. & Uc, A. (2019). Pancreas divisum in pediatric acute recurrent and chronic pancreatitis: Report from INSPPIRE. *Journal of Clinical Gastroenterology* 53 (6) e232-e238. DOI: [10.1097/MCG.0000000000001063](https://doi.org/10.1097/MCG.0000000000001063). PMID: 29864067. PMCID: [PMC6275137](https://pubmed.ncbi.nlm.nih.gov/PMC6275137/).
306. Janson, B. J., Terveen, D. C., Benage, M. J., **Zimmerman, M. B.**, Mixon, D. C., Aldrich, B. T., Skeie, J. M., Schmidt, G. A., Reed, C. R., Goins, K. M. & Greiner, M. A. (2019). DMEK outcomes using nondiabetic grafts for recipients with diabetes mellitus. *American Journal of Ophthalmology Case Reports* 15 100512. DOI: [10.1016/j.ajoc.2019.100512](https://doi.org/10.1016/j.ajoc.2019.100512). PMID: 31341996. PMCID: [PMC6630035](https://pubmed.ncbi.nlm.nih.gov/PMC6630035/).
307. Liu, Q. Y., Abu-El-Haija, M., Husain, S. Z., Barth, B., Bellin, M., Fishman, D. S., Freedman, S. D., Garipey, C. E., Giefer, M. J., Gonska, T., Heyman, M. B., Himes, R., Lin, T. K., Maqbool, A., Mascarenhas, M., McFerron, B. A., Morinville, V. D., Nathan, J. D., Ooi, C. Y., Perito, E. R., Pohl, J. F., Rhee, S., Schwarzenberg, S. J., Shah, U., Troendle, D., Werlin, S. L., Wilschanski, M., **Zimmerman, M. B.**, Lowe, M. E. & Uc, A. (2019). Risk factors for rapid progression from acute recurrent to chronic pancreatitis in children: Report from INSPPIRE. *Journal of Pediatric Gastroenterology and Nutrition* 69 (2) 206-211. DOI: [10.1097/MPG.0000000000002405](https://doi.org/10.1097/MPG.0000000000002405). PMID: 31136562. PMCID: [PMC6699635](https://pubmed.ncbi.nlm.nih.gov/PMC6699635/).
308. Kerestes, C. A., Stockdale, C. K., **Zimmerman, M. B.** & Hardy-Fairbanks, A. J. (2019). Abortion providers' experiences and views on self-managed medication abortion, an exploratory study. *Contraception* 100 (2) 160-164. DOI: [10.1016/j.contraception.2019.04.006](https://doi.org/10.1016/j.contraception.2019.04.006). PMID: 31002777.
309. Williams, H. R., Goad, L., Treloar, M., Ryken, K., Mejia, R., **Zimmerman, M. B.**, Stockdale, C. & Hardy-Fairbanks, A. (2019). Confidence and readiness to discuss, plan and implement postpartum contraception during prenatal care versus after delivery. *Journal of Obstetrics and Gynaecology* 39 (7) 941-947. DOI: [10.1080/01443615.2019.1586853](https://doi.org/10.1080/01443615.2019.1586853). PMID: 31192762.

310. Handlandsmyth, K., Dindo, L. N., Wajid, R., Sugg, S. ., **Zimmerman, M. B.** & Rakel, B. A. (2019). A single-session acceptance and commitment therapy intervention among women undergoing surgery for breast cancer: A randomized pilot trial to reduce persistent postsurgical pain. *Psychooncology* 28 (11) 2210-2217. [DOI: 10.1002/pon.5209](https://doi.org/10.1002/pon.5209). [PMID: 31430830](https://pubmed.ncbi.nlm.nih.gov/31430830/).
311. Perito, E. R., Palermo, T. M., Pohl, J. F., Mascarenhas, M., Abu-El-Haija, M., Barth, B., Bellin, M. D., Fishman, D. S., Freedman, S., Garipey, C., Giefer, M., Gonska, T., Heyman, M. B., Himes, R. W., Husain, S. Z., Lin, T., Liu, Q., Maqbool, A., McFerron, B., Morinville, V. D., Nathan, J. D., Ooi, C. Y., Rhee, S., Schwarzenberg, S. J., Shah, U., Troendle, D. M., Werlin, S., Wilschanski, M., Zheng, Y., **Zimmerman, M. B.**, Lowe, M. & Uc, A. (2020). Factors associated with frequent opioid use in children with acute recurrent and chronic pancreatitis. *Journal of Pediatric Gastroenterology and Nutrition* 70 (1) 106-114. [DOI: 10.1097/MPG.0000000000002502](https://doi.org/10.1097/MPG.0000000000002502). [PMID: 31567889](https://pubmed.ncbi.nlm.nih.gov/31567889/). [PMCID: PMC6934913](https://pubmed.ncbi.nlm.nih.gov/PMC6934913/).
312. Dindo, L. N., Recober, A., Calarge, C. A., **Zimmerman, M. B.**, Weinrib, A., Marchman, J. N. & Turvey, C. (2020). One-day acceptance and commitment therapy compared to support for depressed migraine patients: A randomized clinical trial. *Neurotherapeutics* 17 (2) 743-753. [DOI: 10.1007/s13311-019-00818-0](https://doi.org/10.1007/s13311-019-00818-0). [PMID: 31863406](https://pubmed.ncbi.nlm.nih.gov/31863406/). [PMCID: PMC7283406](https://pubmed.ncbi.nlm.nih.gov/PMC7283406/).
313. Avila-Ortiz, G., Gubler, M., Romero-Bustillos, M., Nicholas, C. L., **Zimmerman, M. B.** & Barwacz, C. A. (2020). Efficacy of alveolar ridge preservation: A randomized controlled trial. *Journal of Dental Research* 99 (4) 402-409. [DOI: 10.1177/0022034520905660](https://doi.org/10.1177/0022034520905660). [PMID: 32050833](https://pubmed.ncbi.nlm.nih.gov/32050833/).
314. Dailey, D. L., Vance, C. G., Rakel, B. A., **Zimmerman, M. B.**, Embree, J., Merriwether, E. N., Geasland, K. M., Chimenti, R., Williams, J. M., Golchha, M., Crofford, L. J. & Sluka, K. A. (2020). Transcutaneous electrical nerve stimulation reduces movement-evoked pain and fatigue: A randomized, controlled trial. *Arthritis & Rheumatology* 72 (5) 824-836. [DOI: 10.1002/art.41170](https://doi.org/10.1002/art.41170). [PMID: 31738014](https://pubmed.ncbi.nlm.nih.gov/31738014/). [PMCID: PMC7188591](https://pubmed.ncbi.nlm.nih.gov/PMC7188591/).
315. Dhanesha, N., Schnell, T., Rahmatalla, S., DeShaw, J., Thedens, D., Parker, B. M., **Zimmerman, M. B.**, Pieper, A. A., Chauhan, A. K. & Leira, E. C. (2020). Low-frequency vibrations enhance thrombolytic therapy and improve stroke outcomes. *Stroke* 51 (6) 1855-1861. [DOI: 10.1161/STROKEAHA.120.029405](https://doi.org/10.1161/STROKEAHA.120.029405). [PMID: 32397935](https://pubmed.ncbi.nlm.nih.gov/32397935/). [PMCID: PMC7263385](https://pubmed.ncbi.nlm.nih.gov/PMC7263385/).
316. Abu-El-Haija, M., Lowe, M., Barth, B., Bellin, M. D., Fishman, D. S., Freedman, S., Garipey, C., Giefer, M. J., Gonska, T., Heyman, M. B., Himes, R., Husain, S., Lin, T. K., Liu, Q., Mascarenhas, M. R., Maqbool, A., McFerron, M., Morinville, V., Nathan, J., Ooi, C. Y., Perito, E., Pohl, J. F., Schwarzenberg, S. J., Shah, U., Troendle, D., Werlin, S., Wilschanski, M., **Zimmerman, M. B.** & Uc, A. (2020). Pediatric chronic pancreatitis without prior acute or acute recurrent pancreatitis: A report from the INSPPIRE consortium. *Pancreatology* 20 (4) 781-784. [DOI: 10.1016/j.pan.2020.04.001](https://doi.org/10.1016/j.pan.2020.04.001). [PMID: 32332002](https://pubmed.ncbi.nlm.nih.gov/32332002/).
317. Carroll, P. D., **Zimmerman, M. B.**, Nalbant, D., Gingerich, E. L., An, G., Cress, G. A., Veng-Pedersen, P. & Widness, J. A. (2020). Neonatal umbilical arterial catheter removal is accompanied by a marked decline in phlebotomy blood loss. *Neonatology Epub ahead of print*. [DOI: 10.1159/000506907](https://doi.org/10.1159/000506907). [PMID: 32564030](https://pubmed.ncbi.nlm.nih.gov/32564030/).
318. Skeie, J. M., Aldrich, B. T., Nishimura, D. Y., Schmidt, G. A., **Zimmerman, M. B.**, Ling, J. J., Naguib, Y. W., Salem, A. K. & Greiner, M. A. (2020). Ubiquinol supplementation of donor tissue enhances corneal endothelial cell mitochondrial respiration. *Cornea Epub ahead of print*. [DOI: 10.1097/ICO.0000000000002408](https://doi.org/10.1097/ICO.0000000000002408). [PMID: 32558735](https://pubmed.ncbi.nlm.nih.gov/32558735/).
319. Nahab, F., Liu, M., Rahman, H. A., Rangaraju, S., Barrow, D., Cawley, C. M., Grubb, R. L., Derdeyn, C. P., Adams, H. P., Videen, T. O. & **Zimmerman, M. B.** (2020). Recurrent hemispheric stroke syndromes in symptomatic atherosclerotic internal carotid artery occlusions: The Carotid Occlusion Surgery Study Randomized Trial. *Neurosurgery* 87 (1) 137-141. [DOI: 10.1093/neuros/nyz352](https://doi.org/10.1093/neuros/nyz352). [PMID: 31511891](https://pubmed.ncbi.nlm.nih.gov/31511891/).
320. Dike, C. R., **Zimmerman, M. B.**, Zheng, Y., Wilschanski, M., Werlin, S. L., Troendle, D., Shah, U., Schwarzenberg, S. J., Pohl, J., Perito, E. R., Ooi, C. Y., Nathan, J. D., Morinville, V. D., McFerron, B., Mascarenhas, M., Maqbool, A., Liu, Q., Lin, T. K., Husain, S. Z., Heyman, M. B., Gonska, T., Giefer, M. J., Garipey, C. E., Fishman, D. S., Bellin, M., Barth, B., Abu-El-Haija, M., Lowe, M. E. & Uc, A. (2020). Clinical and practice variations in pediatric acute recurrent or chronic pancreatitis: Report from the Insspire

- Study. *Journal of Pediatric Gastroenterology and Nutrition* 71 (1) 112-118. DOI: [10.1097/MPG.0000000000002661](https://doi.org/10.1097/MPG.0000000000002661). PMID: 32079978. PMCID: PMC7305964.
321. Ling, J. J., Kyrillos, R., Burchart, K. A., Aldrich, B. T., Skeie, J. M., Schmidt, G. A., Conwell, C., Ramirez, T., Reed, C. R., **Zimmerman, M. B.**, Greiner, M. A. & Li, J. Y. (2020). Optimizing visualization of descemet membrane endothelial keratoplasty tissue: Assessing the impact of trypan blue exposure on stain duration and corneal endothelial cell function. *Cornea Epub ahead of print*. DOI: [10.1097/ICO.0000000000002440](https://doi.org/10.1097/ICO.0000000000002440). PMID: 32732698.
322. Gedlinske, A. M., Stephan, C. M., Mockler, S. R., Laubscher, K. M., Laubenthal, K. S., Crockett, C. D., **Zimmerman, M. B.** & Mathews, K. D. (2020). Motor outcome measures in patients with FKRP mutations, longitudinal follow-up. *Neurology Epub ahead of print*. DOI: [10.1212/WNL.0000000000010604](https://doi.org/10.1212/WNL.0000000000010604). PMID: 10.1212/WNL.0000000000010604.

Books

1. Bautista, D. V., Scott, W. E., Zimmerman, M. B. & Sarin, S. (1995). Longterm effectiveness of bilateral medial retus recession in congenital esotropia and acquired accommodative and nonaccommodative esotropia. In Lennerstrand, G. (Eds.) *Update on Strabismus and Pediatric Ophthalmology*. pp. 240-243. Boca Raton, Florida: CRC Press.

Reviews

1. Zimmerman, M. B. (2007). Book Review: SAS Programming and Data Analysis: A Theory and Program-Driven Approach by Leonard C. Onyiah. *The American Statistician* 61 (3) 277-278. DOI: [10.1198/tas.2007.s92](https://doi.org/10.1198/tas.2007.s92)

Non-peer-reviewed journal articles

1. Chenard, C. A., Zimmerman, M. B., Smith, K. L., Nonnie, P. F. & Wahls, T. L. (2015). New measurement weight for one cup raw kale reduces nutrient intake of individuals following the Wahls TM diet. Braithwaite, E. & Mitchell, D. C. (Eds.) (Vols. 4). pp. 39-47. Amsterdam: Procedia Food Science/Elsevier Science BV. DOI: [10.1016/j.profoo.2015.06.007](https://doi.org/10.1016/j.profoo.2015.06.007)

Other Publications

1. Chenhsu, R. Y., Wu, Y. M., Min, D. I. & Zimmerman, M. B. (2002). Effects of mycophenolate mofetil on hematocrit after renal transplantation. (Vols. 36). (9), pp. 1479-1480. *Annals of Pharmacotherapy*. PMID: [12196073](https://pubmed.ncbi.nlm.nih.gov/12196073/).
2. Kumar, A. B., Zimmerman, M. B. & Suneja, M. (2015). Obesity and cardiopulmonary bypass-associated acute kidney injury: authors' reply. (Vols. 29). (2), pp. e12-3. *Journal of Cardiothoracic and Vascular Anesthesia*. DOI: [10.1053/j.jvca.2014.08.016](https://doi.org/10.1053/j.jvca.2014.08.016). PMID: [25542848](https://pubmed.ncbi.nlm.nih.gov/25542848/). ISSN: 1053-0770
3. Abrons, R. O., **Zimmerman, M. B.** & El-Hattab, Y. (2018). Comparing bougie-guided and conventional nasotracheal intubations using videolaryngoscopy - a reply. (Vols. 73). (3), pp. 393. *Anaesthesia*. DOI: [10.1111/anae.14209](https://doi.org/10.1111/anae.14209). PMID: [29437214](https://pubmed.ncbi.nlm.nih.gov/29437214/).

Research Interests/Current Projects

- Longitudinal data analysis
- Sample size and power
- Logistic regression models

Grants and Contracts

Active (Funded)

1. Fibromyalgia TENS in Physical Therapy Study (FM-TIPS): An Embedded Pragmatic Clinical Trial; National Institutes of Health; Zimmerman, M Bridget (Co-Investigator), Sluka, Kathleen (Principal Investigator)
 - UB3 AR076387
 - Sep 26, 2019 - Jul 31, 2024
 - Amount: \$9,307,793.00, 10% effort
2. One-Day Life Skills Workshop for Veterans with TBI, Pain, and Psychopathology: Evaluating Efficacy and Mechanism of Change; U.S. Department of Veterans Affairs, Michael E. DeBakey VA Medical Center; Zimmerman, Bridget (Principal Investigator)
 - VA IPA 580D05152
 - Feb 1, 2020 - Sep 30, 2024
 - Direct Cost: \$11,671.00
3. VA IPA for MB Zimmerman; US Department of Veterans Affairs, Michael E. DeBakey VA Medical Center; Zimmerman, Bridget (Principal Investigator)
 - No Contract #
 - Feb 1, 2020 - Sep 30, 2024
 - Amount: \$81,169.00, 10% effort
4. Preventing Persistent Post-Surgical Pain and Dysfunction in At-Risk Veterans: Effect of a Brief Behavioral Intervention; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Rakel, Barbara (Principal Investigator)
 - R01 NR017610
 - Feb 8, 2019 - Nov 30, 2024
 - Amount: \$3,210,353.00, 5% effort
5. Living Well: A Web-Based Intervention to Improve Quality of Life in Rural and Urban Ovarian Cancer Survivors; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Lutgendorf, Susan (Principal Investigator)
 - R01 CA246540
 - Feb 1, 2020 - Jan 31, 2025
 - Amount: \$3,037,137.00, 5% effort
6. Metabolic Biomarkers for Fibromyalgia; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Sluka, Kathleen (Principal Investigator)
 - R01 AR077418
 - Sep 1, 2020 - Aug 31, 2025
 - Amount: \$2,162,154.00, 5% effort
7. Sedentary Behavior, Physical Activity, Sleep, and Cardiovascular Risk in Pregnancy: The Pregnancy 24/7 Cohort Study; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Whitaker, Kara (Principal Investigator)
 - R01 HL153095
 - Sep 15, 2020 - Aug 31, 2025
 - Amount: \$4,070,495.00, 5% effort
8. Role of ULK2 in selective protein degradation and protection against sarcopenia; National Institutes of Health; Zimmerman, Bridget (Co-Investigator); Lira, Vitor A (Principal Investigator)
 - R56 AG080101

- Sep 15, 2024 - Aug 31, 2025
 - Amount: \$381,507.00
9. (Iowa ISIB) Summer Institute for Research Education in Biostatistics and Data Science; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Zamba, Gideon (Principal Investigator)
 - R25 HL161716
 - Mar 1, 2022 - Feb 28, 2027
 - Amount: \$128,640.00, 3% effort
 10. Sleep-related behavior and cortical activity in premature human infants as predictors of developmental outcomes; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Blumberg, Mark (Principal Investigator)
 - R01 HD104616
 - Sep 5, 2022 - Apr 30, 2027
 - Amount: \$3,090,555.00, 3% effort
 11. Sedentary behavior, physical activity, and 24-hour behavior in pregnancy and offspring health: the Pregnancy 24/7 Offspring Study; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Whitaker, Kara (Principal Investigator)
 - R01 HL164662
 - Apr 17, 2023 - Feb 29, 2028
 - Amount: \$3,498,475.00, 10% effort
 12. Novel 3D Quantitative Dynamic MRI to Characterize Obstructive Sleep Apnea; National Institutes of Health; Zimmerman, Bridget (Co-Investigator); Lingala, Sajan Goud (Principal Investigator)
 - R01 HL173483
 - Aug 15, 2024 - May 31, 2029
 - Amount: \$2,051,143.00

Completed

1. Depo-provera and bone density in premenopausal women; NICHD; Zimmerman, Miriam B. (Consultant), Clark, M Kathleen (Principal Investigator)
 - R01HD039100
 - Feb 1, 2000 - Jan 31, 2004
 - Amount: \$456,412.00, 5% effort
2. Lay CHD Representations and Women's Self-Referral for MI; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Martin, Rene (Principal Investigator)
 - R01 NR04886
 - Apr 1, 2000 - Mar 31, 2004
 - Amount: \$909,060.00, 5% effort
 - The major goal of this project is to investigate how lay people's cognitive representation of coronary heart disease contribute to delays in seeking medical care for symptoms of acute myocardial infarction, with an emphasis on female victims.
3. General Clinical Research Center for the University of Iowa; National Institutes of Health; Zimmerman, Miriam B. (Statistician), Robillard, Jean (Principal Investigator)
 - M01 RR00059
 - Mar 1, 2003 - Feb 28, 2008
 - Amount: \$21,083,313.00, 30% effort
 - NOTE: This is the renewal continuation of this 5-year grant of which I have been supported for the period 1998-03

4. Effect of TENS on Knee Osteoarthritis Pain, Hyperalgesia, and Function; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Rakel, Barbara (Principal Investigator)
 - R01 NR010405
 - Jul 1, 2007 - Jun 30, 2009
 - Amount: \$144,176.00, 7% effort
5. Medication Dispenser: MD2: Improving Health Outcomes; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Sahai, Anil (Principal Investigator)
 - R42 AG021844
 - Sep 30, 2003 - Oct 31, 2009
 - Amount: \$269,400.00, 5% effort
 - The objective of this STTR Phase I is to establish the feasibility of the research protocol for a Phase III clinical trial (Phase II of this STTR Fast Track Application) to quantify the benefits of using the MD.2 medication dispenser on health outcomes. The specific aims are to (1) develop data collection procedures that provide valid and comprehensive data to describe study subjects and their health services utilization, (2) randomize 24 patients to receive or not receive the MD.2 medication dispenser for 3 months and measure outcomes and (3) determine that the research protocol is acceptable to homecare staff/case management staff in the study sites.
6. Center for Research on Botanical Dietary Supplements; NIH; Zimmerman, Miriam B., Birt, Diane F (Principal Investigator)
 - P50 AT004155
 - Jul 22, 2002 - May 31, 2010
 - Amount: \$7,156,941.00, 27% effort
 - The Center for Research on Dietary Botanical Supplements at Iowa State University and The University of Iowa will link two traditional strong complementary institutions and focus their effort on important research on botanical supplements.
7. Biobehavioral-Cytokine Interactions in Ovarian Cancer; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Lutgendorf, Susan (Principal Investigator)
 - R01 CA104825
 - Sep 30, 2003 - Jun 30, 2010
 - Amount: \$1,868,297.00, 5% effort
 - This is a longitudinal prospective study examining relationships between social support, depression, angiogenic cytokines in peripheral blood and ascites and disease free interval in ovarian cancer patients.
8. Low-Cost, Portable, Computer-Assisted Imaging of Diabetic Retinopathy; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Abramoff, Michael (Principal Investigator)
 - R01 EY017066
 - Sep 15, 2005 - Aug 31, 2010
 - Amount: \$1,332,609.00, 5% effort
9. Impact of LEEP on Cervical Length and Secretions; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Saftlas, Audrey S. (Principal Investigator)
 - R21 AI068111
 - Sep 1, 2006 - Aug 31, 2010
 - Amount: \$374,884.00, 3% effort
10. Predicting Children's Response to Distraction from Pain: Tailored Interventions; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), McCarthy, Ann Marie (Principal Investigator)

- R01 NR005269
 - Jun 1, 2002 - Sep 30, 2012
 - Amount: \$3,296,734.00, 10% effort
11. Precise Correspondence of D Pathology with Radiological Features in Lung Nodules; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), McLennan, Geoffrey (Principal Investigator)
 - R01 CA129022
 - Sep 1, 2007 - Jul 31, 2013
 - Amount: \$1,951,985.00, 2% effort
 12. Nighttime Dosing of Anti-Hypertensive Medications: A Pragmatic Clinical Trial; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Rosenthal, Gary (Principal Investigator)
 - UH2 AT007784
 - Sep 30, 2012 - Dec 31, 2013
 - Amount: \$770,129.00, 5% effort
 13. University of Iowa Clinical and Translational Science Program; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Rosenthal, Gary (Principal Investigator)
 - UL1 TR000442
 - Sep 17, 2007 - Apr 30, 2014
 - Amount: \$1,374,437.00, 50% effort
 14. Community Transformation Grant (CTG) Evaluation Services Project; Iowa Department of Public Health; Zimmerman, Bridget (Co-Investigator), Nothwehr, Faryle (Principal Investigator)
 - 588HP33
 - Aug 10, 2012 - Sep 30, 2014
 - Amount: \$72,001.00, 10% effort
 15. Research into the Cause, Treatment, and Prevention of Blinding Disease; Research to Prevent Blindness; Zimmerman, Bridget (Co-Investigator), Carter, Keith (Principal Investigator)
 - No Contract #
 - Jan 1, 2012 - Dec 31, 2014
 - Amount: \$110,000.00, 4% effort
 16. Biobehavioral Influences and the Ovarian Tumor Microenvironment; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Lutgendorf, Susan (Principal Investigator)
 - R01 CA140933
 - Jul 1, 2009 - May 31, 2015
 - Amount: \$2,753,087.00, 5% effort
 17. Bracing in Adolescent Idiopathic Scoliosis (BrAIST); National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Weinstein, Stuart (Principal Investigator)
 - R01 AR052113
 - Sep 1, 2006 - Aug 31, 2015
 - Amount: \$5,295,753.00
 18. Molecular Pathogenesis of Skeletal Muscle Atrophy; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Adams, Christopher (Principal Investigator)
 - R01 AR059115
 - Apr 1, 2010 - Dec 31, 2015
 - Amount: \$1,579,068.00, 5% effort
 19. VA IPA: SPiRE One-Day Life Skills Workshop for Veterans with TBI, Pain, and Psychopathology; US Department of Veteran's Affairs, Iowa City VAMC; Zimmerman, Bridget (Principal Investigator)

- VA IPA
 - Aug 1, 2017 - Sep 30, 2017
 - Amount: \$6,001.00, 22% effort
20. Preventing Persistent Post-Surgical Pain & Opioid Use in Veterans: Effect of ACT; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Rakel, Barbara (Principal Investigator)
- R34 AT008349
 - Sep 1, 2014 - Jun 30, 2018
 - Amount: \$329,557.00, 3% effort
21. The University of Iowa Clinical and Translational Science Award; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Rosenthal, Gary (Principal Investigator)
- U54 TR001356
 - Aug 14, 2015 - Jul 31, 2018
 - Amount: \$7,089,331.00, 10% effort
22. Neonatal Anemia and Thrombocytopenia: Pathophysiology and Treatment; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Widness, John (Principal Investigator)
- P01 HL046925
 - Jul 1, 1992 - Aug 31, 2018
 - Amount: \$29,503,220.00, 9% effort
23. Integrative Neurobiology of Cardiovascular Regulation - PPG; National Institutes of Health; Zimmerman, Miriam B. (Statistician), Abboud, Francois M (Principal Investigator)
- P01 HL014388
 - Jan 10, 1997 - May 31, 2019
 - Amount: \$2,274,927.00, 20% effort
 - The overall objective of this Program Project Grant is to study the regulation of the circulation in pathological states. The approach is currently under investigation including cardiac and vascular cells in culture, isolated systems, and animal models of disease, normal human subjects, and patients. NOTE: This is the third renewal continuation of this 5-year grant of which I have been supported for the periods 1988-93 and 1993-98
24. Fybromyalgia Activity Study with TENS "FAST"; National Institutes of Health; Zimmerman, Bridget (Statistician), Sluka, Kathleen A (Principal Investigator)
- UM1 AR063381
 - Jul 1, 2013 - Jun 30, 2019
 - Amount: \$551,102.00, 10% effort
25. Iowa Summer Institute for Research Education in Biostatistics (ISIREB); National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Zamba, Gideon (Principal Investigator)
- R25 HL131467
 - Feb 15, 2016 - Jan 31, 2020
 - Amount: \$743,305.00, 2% effort
26. Muscular Dystrophy Cooperative Research Center; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Campbell, Kevin (Principal Investigator)
- U54 NS053672
 - Jun 8, 2005 - Jun 30, 2020
 - Amount: \$400,938.00, 2% effort
27. Family Obesity Intervention: Motivational Interviewing and Community Support; National Institutes of Health; Zimmerman, Bridget (Statistician), Laroche, Helena (Principal Investigator)

- R01 HL119882
 - Aug 1, 2014 - Jun 30, 2020
 - Amount: \$1,901,907.00, 3% effort
28. Comparing Behavioral Assessments Using Telehealth for Children with Autism; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Wacker, David (Principal Investigator), Lindgren, Scott (Principal Investigator)
- R01 MH104363
 - Apr 1, 2015 - Oct 31, 2020
 - Amount: \$2,578,621.00, 5% effort
29. Behavioral Influences on Ovarian Cancer Progression: Role of Chemoresistance; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Lutgendorf, Susan (Principal Investigator)
- R01 CA193249
 - Feb 10, 2016 - Dec 31, 2021
 - Amount: \$3,204,497.00, 5% effort
30. Molecular regulation of protein turnover in skeletal muscle; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Lira, Vitor (Principal Investigator)
- R56 AG063820
 - Oct 1, 2020 - Aug 31, 2022
 - Amount: \$563,723.00, 2% effort
31. The University of Iowa Clinical and Translational Science Award; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Winokur, Patricia (Principal Investigator)
- UL TR002537
 - Mar 30, 2018 - Feb 28, 2023
 - 10% effort
32. Iowa Summer Institute for Research Education in Biostatistics (ISIREB); National Institutes of Health; Zimmerman, M B (Co-Investigator), Zamba, Gideon (Principal Investigator)
- R25 HL147231
 - Mar 1, 2019 - Feb 28, 2023
 - Amount: \$757,930.00, 2% effort
33. Targeting HIV Retention and Improved Viral load through Engagement (THRIVE); Baylor College of Medicine, National Institutes of Health; Zimmerman, Bridget (Principal Investigator)
- P700000007 / R34 MH122294
 - Aug 1, 2020 - Jul 31, 2023
 - Amount: \$45,145.00, 10% effort
34. Muscular Dystrophy Specialized Research Center; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Campbell (Principal Investigator)
- P50 NS053672
 - Jun 8, 2005 - Jun 30, 2025
 - Amount: \$29,443,025.00
35. INSPPIRE to Study Pediatric Chronic Pancreatitis; National Institutes of Health; Zimmerman, Bridget (Co-Investigator), Uc, Aliye (Principal Investigator)
- U01 DK108334
 - Sep 28, 2015 - Aug 31, 2025
 - Amount: \$9,207,736.00, 5% effort

Presentations

Invited Lectures

- 2009 Intro to SAS Programming. University of Iowa SAS Summer Institute.
- 2009 Using SAS Proc Power. University of Iowa SAS Users Group.
- 2010 Intro to SAS Programming. University of Iowa SAS Boot Camp.

Oral Presentations

- 1987 Zimmerman, M. B. Computational Aspects and Statistical Applications of the Transportation Problem of Linear Programming. Presented at Statistical Laboratory Seminar, Iowa State University, Ames, Iowa.
- 1987 Zimmerman, M. B. & Koehler, K. J. Estimation of the Common Odds Ratio. Presented at Statistical Laboratory Seminar, Iowa State University, Ames, Iowa.
- 1990 Zimmerman, M. B. Overview of Fundamental Concepts in Design and Analysis of Experiments. Presented at Cardiovascular Center, University of Iowa, Iowa City, Iowa.
- 1991 Zimmerman, M. B. Sample Size and Power Analysis. Presented at Clinical Epidemiology Seminar, University of Iowa, Iowa City, Iowa.
- 1993 Zimmerman, M. B. Use and Interpretation of ANOVA for Repeated Measures Studies. Presented at Cardiovascular Center, University of Iowa, Iowa City, Iowa.
- 1997 Zimmerman, M. B. Ask the Statisticians (Principles of Clinical Research). Presented at Cardiovascular Center, University of Iowa, Iowa City, Iowa.
- 2002 Hansen, H., Hunter, S. I., McAndrew, S., Harris, K. & Zimmerman, M. B. Metoclopramide Concentration in Breast Milk of Women Delivering between 23-34 weeks Gestation. Presented at Society for Maternal-Fetal Medicine.
- 2004 Abbasi, G., Berg, M., Van Dyke, Zimmerman, M. B. & Niebly, J. Folate Levels During Pregnancy and Post Partum. Society for Maternal-Fetal Medicine.
- 2005 Zimmerman, M. B. Evaluation of Statistical Consulting Programs in an Academic Setting. Presented at Joint Statistical Meetings, American Statistical Association.
- 2008 Zimmerman, M. B. Teaching Statistics In The Consulting Environment: Experiences At The University Of Iowa Biostatistics Consulting Center. Presented at Joint Statistical Meetings, American Statistical Association.
- 2010 Zimmerman, M. B. How Many Subjects do I Need? – Issues to Consider in Sample Size Determination. Presented at Department of Community and Behavioral Health, University of Iowa, Iowa City, Iowa.
- 2010 Zimmerman, M. B. Introduction to Basic Concepts in Statistics. Presented at Institute for Clinical and Translational Science, University of Iowa, Iowa City, Iowa.
- 2010 Zimmerman, M. B. Issues to Consider in Sample Size Determination. Presented at College of Nursing, University of Iowa, Iowa City, Iowa.

Posters

- 2000 Renquist, K. E., Mason, E. E., Neuhaus, J. & Zimmerman, M. B. Obtaining Mortality Data Using the National Death Index. Presented at American Society for Bariatric Surgery.

- 2001 Stolpen, A. H., Hodroff, M. A., Denson, M. A., Bolinger, L., Zimmerman, M. B., Brown, B. & Kreder, K. Dynamic MRI of the Pelvic Floor in Stress Urinary Incontinence: Technique, Normative Data in Continent Women, and Comparison with Physical Examination. Presented at International Society for Magnetic Resonance in Medicine.
- 2002 Mason, E. E., Renquist, K. E. & Zimmerman, M. B. Age, BMI, and Gender Determine 30 Day Complications. Presented at American Society for Bariatric Surgery.
- 2002 Hansen, H., Lowe, M. P. & Zimmerman, M. B. Effect of the Fetal Fibronectin Assay on Preterm Labor Management. Presented at Society for Maternal-Fetal Medicine.
- 2003 Piper, B., Payne, J., Rabinowitz, I. & Zimmerman, M. B. Fatigue, Depression, and Biomarkers in Women with Breast Cancer: A Pilot Study. Oncology Nursing Society.
- 2004 Abbasi, G., Berg, M., Van Dyke, Zimmerman, M. B. & Niebly, J. Folate Levels During Pregnancy and Post Partum. Society for Maternal-Fetal Medicine.
- 2004 Mason, E. E., Zhang, W., Renquist, K. E. & Zimmerman, M. B. Influential Factors for Mortality Rates After Obesity Surgery. American Society for Bariatric Surgery.
- 2004 Abbasi, G., Berg, M., Van Dyke, Zimmerman, M. B. & Niebly, J. Serum Carbamazepine Levels During Pregnancy and Post Partum. Society for Maternal-Fetal Medicine.
- 2005 Quisling, S., Siioberg, S., Zimmerman, M. B., Goins, K. & Sutphin, J. Comparison of Pentacam and Orbscan IIz on Posterior Curvature Topography Measurements in Keratoconus Eyes. Society of Pediatric Nurses Convention.
- 2005 Belsare, G. N., Schmidt, R. L., Zimmerman, M. B., Sear, J. L. & Widness, J. A. Fetal Ovine Erythrocyte Zinc Protoporphyrin(ZnPP) as a Developmental Model for Humans. National Student Forum.
- 2005 Maheshwari, N., Robinson, J. G., Kohatsu, N. & Zimmerman, M. B. Obesity Prevalence Increasing Three Times Faster in High than Low Income Groups: National Health and Nutrition Examination Surveys, 1971 to 2002. Presented at Annual Conference on Cardiovascular Disease Epidemiology and Prevention, AHA.
- 2005 Rao, S., Kinkade, K., Miller, M. J., Brown, C. K., Stumbo, P., Zimmerman, M. B. & Schulze, C. Randomized Controlled Trial of Long Term Outcome of Biofeedback Therapy(BT) for Dyssynergic Defecation. American College of Gastroenterology.
- 2005 Latini, J., Zimmerman, M. B. & Kreder, K. Association between Valsalva and Cough Leak Point Pressure with Pelvic Organ Prolapse in Female Stress Incontinence. International Continence Society.
- 2006 Samuel, I., Mason, E. E., Renquist, K., Huang, Y. H., Zimmerman, M. B. & Jamal, M. Bariatric Surgery Trends: An 18-year Report from the International Bariatric Surgery Registry. Association of VA Surgeons.
- 2006 Sinnwel, M. I., Luo, P. & Zimmerman, M. B. Diagnosis and Prognosis of Glioblastoma Multiforme Utilizing MCM7 and Ki-67 as Tumor Proliferation Markers. UICC World Cancer Congress.
- 2006 Kleiber, C., McCarthy, A. M., Hanrahan, K., Lutgendorf, S., Tsalikian, E. & Zimmerman, M. B. Normal Values and the Impact of a Painful Procedure On Salivary Cortisol Levels in Children. Midwest Nursing Research Society.
- 2007 Hall, M. J., Shurr, D. G., VanBeek, M. J. & Zimmerman, M. B. Dermatological Problems With Prosthetic Roll-On Liners. American Academy of Orthotists and Prosthetists.

- 2007 McCarthy, A. M., Hanrahan, K., Kleiber, C. & Zimmerman, M. B. Parent Distraction During a Peripheral IV Insertion: Cortisol Responsivity and Predictors of Child Distress. Society of Pediatric Nurses Convention.
- 2007 Wallace, R. B., Zimmerman, M. B., Ravven, S., Gryzlak, B. M. & Nisly, N. L. Self-medication with Herbal Therapies: Relation to Mental Illness in American Adults. Preventive Medicine.
- 2007 Bradley, C. S., Zamba, G. J., Wang, Q. & Nygaard, I. E. Vaginal Descent and Pelvic Floor Symptoms in Postmenopausal Women: A Longitudinal Study. American Urogynecologic Society.

Seminars

- 1987 Computational Aspects and Statistical Applications of the Transportation Problem of Linear Programming. Statistical Laboratory Seminar, Iowa State University, Ames, Iowa.
- 1987 Estimation of the Common Odds Ratio. Statistical Laboratory Seminar, Iowa State University, Ames, Iowa.
- 1991 Sample Size and Power Analysis. Clinical Epidemiology Seminar, University of Iowa, Iowa City, Iowa.

Other Presentations

- 2007 Sample Size in Study Design: Examples in Allergy and Immunology. Allergy and Immunology Grand Rounds, UIHC.

Service

Professional Service

Professional Organizations

- 1987 - Present American Statistical Association, Member

Journal Reviews/Referee Manuscripts

- 2000 - 2001 Annals of Otolaryngology, Rhinology, and Laryngology, Reviewer
- 2004 - 2005 Clinical Orthopaedics and Related Research, Reviewer
- 2005 Preventive Medicine, Reviewer
- 2006 European Journal Clinical Microbiology & Infectious Diseases, Reviewer
- 2006 - 2007 Arteriosclerosis, Thrombosis, and Vascular Biology, Reviewer
- 2006 - 2007 Circulation, Reviewer
- 2007 Investigative Ophthalmology and Visual Science, Reviewer
- 2019 - Present JAMA Network Open, Reviewer

Other

- 2001 - 2005 Gynecologic and Obstetric Investigations, Associate Editor (statistical reviewer)

University, College, Department Service

University

2005 - 2006	Campus Climate-Working at Iowa Survey Group, University of Iowa, Member
2004 - 2009	Faculty Council, College of Public Health, University of Iowa, Member
2008 - 2010	Working at Iowa Survey Group, University of Iowa, Member
2011 - 2013	Faculty Council, College of Public Health, University of Iowa, Member

College

2007 - 2008	Dean Search Committee, College of Public Health, University of Iowa, Member
2016 - 2019	CPH Promotion and Tenure Committee, Member

Department

2004	Barnes Award in Biostatistics Committee, College of Public Health, University of Iowa, Member
2004 - 2006	Admissions Committee, Department of Biostatistics, College of Public Health, University of Iowa, Member
2007 - 2008	Search Committee, Department of Biostatistics, College of Public Health, University of Iowa, Member
2021	Promotion and Tenure Internal Peer Evaluation Committee #2, Member
Sep 2022 - Present	Ladies in UI Biostatistics, Mentor