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## CLAUDIA LEONARDI

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LSU Health Science Center  
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### QUALIFICATION SUMMARY

More than 20 years of research experience in animal science, biology and public health with more than 80 peer-reviewed publications. Experience in experimental design, generalized linear mixed models, multilevel models, sample size/power analysis, and longitudinal data analysis, primarily using SAS.

### EDUCATION

- 08/2014**    **Doctor of Philosophy**, Louisiana State University – Health Science Center, USA  
Major: Biostatistics
- 07/2006**    **Master in Applied Statistics**, Louisiana State University, USA  
Major: Applied Statistics (non-thesis degree)
- 05/2004**    **Doctor of Philosophy**, University of Wisconsin-Madison, USA  
Major: Dairy Science - Nutrition
- 08/2001**    **Master of Science**, University of Wisconsin-Madison, USA  
Major: Dairy Science - Nutrition
- 07/1998**    **Bachelor of Science**, Università degli Studi di Padova, Italy  
Major: Agriculture - Animal Science
- 10/1996 – 06/1997** **Exchange Student**, University of London, UK  
Exchange student of the ERASMUS Interuniversity Cooperation Program, Wye College

### PROFESSIONAL EXPERIENCE

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|-------------------|-----------------------------------|-------------------------------|
| 05/2017 – present | Assistant Professor – Research    | (BCHS -LSUHSC-NO)             |
| 07/2016 – 04/2017 | Research Scientist/Senior Postdoc | (LSUHSC-New Orleans)          |
| 08/2014 – 06/2016 | Postdoctoral Researcher           | (LSUHSC-New Orleans)          |
| 01/2012 – 07/2014 | Graduate Research Assistant       | (LSUHSC-New Orleans)          |
| 06/2009 – 08/2010 | Biostatistician                   | (PBRC-Baton Rouge)            |
| 08/2007 – 05/2009 | Visiting Assistant Professor      | (LSU-Baton Rouge)             |
| 08/2006 – 05/2007 | Instructor                        | (LSU-Baton Rouge)             |
| 10/2005 – 05/2006 | Teaching Assistant                | (LSU-Baton Rouge)             |
| 01/2005 – 09/2005 | Graduate Research Assistant       | (LSU-Baton Rouge)             |
| 06/2004 – 12/2004 | Postdoctoral Researcher           | (UW-Madison)                  |
| 09/1999 – 05/2004 | Graduate Research Assistant       | (UW-Madison)                  |
| 03/1999 – 08/1999 | Visiting Scholar                  | (UW-Madison)                  |
| 09/1998 – 02/1999 | Research Assistant                | (Università di Padova, Italy) |

## CONTRACTS

- 02/2015 – present: Statistical consultant for the Orthopaedic dep. - LSUHSC (40-60% FTE).  
02/2017 – present: Statistical consultant for the Surgery dep. - LSUHSC (20-30% FTE).  
06/2022 – present: Statistical consultant for the BCHS dep. - LSUHSC (10-20% FTE).

## FUNDED GRANTS

1. Majumder, Rinku (PI) (Role: co-I) 11/01/2020-10/31/2024. A Mechanistic Study to elucidate the role of Protein S in elevating the risk of Thrombosis in Obese, Pre-menopausal women. IR01HL151613-01AI. (\$1,950,000).
2. Ochoa (PI) (Role: Biostatistician) 09/19/18 – 08/31/21. Understanding and Addressing Cancer Health Disparities in Louisiana (\$664K)
3. **Leonardi** (PI) 08/01/18 – 12/31/19. Feasibility of electronic health records to study social determinants of health disparities in hepatocellular carcinoma in Louisiana. LA CATS. (\$50K)
4. Marrero (PI) (Role: Biostatistician) 01/01/18 – 12/31/18. Biological Predictors of Poor Surgical Outcomes Associated with Total Knee Arthroplasty. LA CATS. (\$50K)
5. Sanchez-Pino (PI) (Role: Biostatistician) 06/30/16 – 06/30/18. Effect of bariatric surgery on Obesity, Weight Loss and New Inflammatory Pathways. 5P30GM114732-02.
6. Scribner (PI) (Role: Biostatistician) 01/01/2016-12/31/2018. Community-Academic Partnership to Address Health Disparities in New Orleans. 5R24MD008121-03.
7. **Leonardi (PI)** 11/15/2016 – 05/15/2017. Neighborhood Disadvantage and Glycemic Control in Type I Diabetes: Mediators. U54MD008176-005 (Secondary Data Analysis, \$15,000).
8. Scribner (PI) (Role: Biostatistician) 08/01/2014 – 07/31/2015. Monitoring Social Determinants of Obesity Outcomes for a Community-Based Health. TCC-14-002.
9. Scribner (PI) (Role: Biostatistician) 2011 – 2015. Community Influences on NHANES Diet and Physical Activity. NCI R01 CA157565.
10. Madden J. (PI) (Role: Instructor) 2008 – 2010. Baton Rouge area STEM initiative: Master's of natural science degree program. Board of Regents' Louisiana Systemic Initiatives Program (\$14,222 Leonardi portion).
11. M. Autin (PI), M.C. Martinez (PI) and **C. Leonardi (Faculty PI)**. 2007 – 2008. An assessment of current feeding practices in Louisiana dairy farms. Undergraduate Research Grant - College of Agriculture – LSU (\$1,600).
12. **C. Leonardi (PI)**. 2007. Travel grant obtained to attend the United States Conference on Teaching Statistics, USCOTS 07. CFCU Teaching Enhancement Fund (\$500).
13. **C. Leonardi (PI)**. 2006. Evaluation of mathematical processes and calibration statistics on diode arrays generated data. Sigma Xi Grant in Aid of Research (\$900).

## PENDING GRANTS

14. Irving, Bryan (PI) (Role: co-I) 07/2024-06/2027. Mechanisms of Immune and Energetic Dysfunction Following Combined Burn and Traumatic Brain Injuries. Defense Medical Research and Development Program (\$1,576,503).

## TECHNICAL REPORTS

1. Staples, L., **Leonardi, C.**, Dupre, B., Gonzalez, G., Cohen N., Rubin, R., Phillippi, S. (2024) Center for Evidence to Practice: 2023 Annual Report. Louisiana State University Health Sciences Center- School of Public Health. New Orleans, LA.
2. Afaneh, H., **Leonardi, C.**, Dupre, B., and Phillippi, S. (2023) Center for Evidence to Practice: Mental Health Crisis Response System Workforce & Training Development Annual Report 2023. Louisiana State University Health Sciences Center- School of Public Health. New Orleans, La.
3. Afaneh, H., **Leonardi, C.**, Whiting, W., Gonzalez, G., Dupre, B., Phillippi, S. (2023). Center for Evidence to Practice: Mental Health Crisis Response System Workforce & Training Development Annual Report 2022. Louisiana State University Health Sciences Center- School of Public Health. New Orleans, La.
4. Staples, L., Singh, S., **Leonardi, C.**, Whiting, W., Gonzalez, G., Dupre, B., Phillippi, S. (2023). Center for Evidence to Practice: Evidence Based Practice Workforce & Training Annual Report 2022. Louisiana State University Health Sciences Center- School of Public Health. New Orleans, La.

## PEER REVIEWED PUBLICATIONS

### IN REVIEW

1. Drake, L.C., P.W. D'Amore, B. Fontenot, T.A. Tetreault, M. Younis, **C. Leonardi, J.** Valenzuela-Moss, L. M. Andras and M.J Heffernan. Rule Breakers Achieve Successful Shoulder Balance: Unraveling the Myth of Upper Instrumented Vertebrae Selection Criteria. Spine Deform. (submitted).
2. Haydel, A., **C. Leonardi**, W. Accousti, and R.C. Clement. Does Postoperative Immobilization Affect Final Alignment of Pediatric Femur Fractures Treated with Flexible Intramedullary Nailing? J Pediatr Orthop. B (submitted).
3. Korbal, T., M. Darlow, W. Melito, **C. Leonardi**, N. Redlich, W. Accousti, and R.C. Clement. Vitamin D deficiency is not associated with disease severity, progression, or pain in adolescent idiopathic scoliosis (AIS). Spine Deformity (submitted).
4. Davis, M., R. Schroeder, C. Toups, C. Daigle, M. Spitchley, **C. Leonardi**, B. Shammassian, and A. K. Bhandutia. Comparing ACDF Outcomes by Cervical Spine Level: A Single Center Retrospective Cohort Study. JNS Spine. (submitted).
5. Ozery, M., E.G. Lieberman, J.A. Bernstein, J.I. Wolfstadt, D.C. Landy, **C. Leonardi**, and A. Cohen-Rosenblum. Why do Early-Career Adult Reconstruction Surgeons Change Jobs? An American Association of Hip and Knee Surgeons Young Arthroplasty Group Survey Study. Arthroplasty Today (submitted).
6. Rajendra, R., M.B. Bratton, **C. Leonardi**, and R.C. Clement. Characterizing the Spectrum of Scoliosis in Autism. J Pediatr Orthop. (submitted).
7. Martin, R., V. Dasa; T. Fitzpatrick-Schmidt, P. Molina, D. Welsh, **C. Leonardi**, T. Ferguson, Tekeda and S. Edwards. Alcohol Use is Associated with Reduced Pain Symptoms in Total Knee Arthroplasty Patients and People with HIV. Alcohol: Clinical and Experimental Research. (submitted).

8. Clevenger, G., L. Tager, E. Felton, **C. Leonardi** and M. Krause. Concentrate intake affects ruminal pH and milk production of lactating cows on pasture. *Livestock Science*. (submitted).
9. Mauras, J., M. McMahon, J.K. Petrie, **C. Leonardi**, A. Bronstone, R. Roubion, and V. Dasa. Does Changing Adductor Canal Block (ACB) with Ropivacaine to Liposomal Bupivacaine Improve Patient-reported Outcomes and Reduce Opioid Prescribing After Total Knee Arthroplasty? *Journal of Orthopaedics, Trauma and Rehabilitation*. (submitted).

## ACCEPTED

1. Sarkovich, S., D. Martin, P. Issa, T. Soria, M. Darlow, **C. Leonardi**, and C. Clement. Back Pain in Adolescent Idiopathic Scoliosis: Frequency and Risk Factors. *Spine Deformity*.
2. Gallegos, E.M., T. Reed, P. Deville, B. Platt, **C. Leonardi**, L. Bellfi, J. Dufrene, S. Chaudhary, J. P. Hunt, L. Stuke, P. Greiffenstein, J. Schoen, A. Marr, A. S. Paramesh, and A.A. Smith. Does the Use of Double Hormone Replacement Therapy for Trauma Patient Organ Donors Improve Organ Recovery for Transplant? *World Journal of Transplantation*.
3. Walton, R., L. Liuzza, L. Takawira, **C. Leonardi**, and M. Lopez. Biocomposite anchors have higher yield load and energy compared to all-suture anchors in an in vitro ovine infraspinatus tendon repair model. *Arthroscopy, Sports Medicine, Rehabilitation*.
4. Crawford, M.B., **C. Leonardi**, M.P. Martin, M.J. Heffernan and A. Cohen-Rosenblum. Are Underserved Patients Interested in Telemedicine Orthopaedic Appointments? A Survey Study. *Journal of the AAOS*.

## 2024

1. Benes G, Adams Z, Dubic M, David J, **Leonardi C**, Bronstone A, Dasa V. Optimal Duration of Physical Therapy Following Total Knee Arthroplasty. *Geriatr Orthop Surg Rehabil*. 2024 May 17;15:21514593241250149. doi: 10.1177/21514593241250149. PMID: 38766277
2. Fitzpatrick-Schmidt T, Leonardi C, Norlin C, Beiter K, Stuke LE, Brown T, Marr A, Greiffenstein P, Schoen J, Hunt JP, Smith A. Global health experience among general surgery residents': Experiences, attitudes, and barriers. *Am J Surg*. 2024 May 3:S0002-9610(24)00268-X. doi: 10.1016/j.amjsurg.2024.05.001. Epub ahead of print. PMID: 38724292.
3. Haydel A., R. Roubion, C. Graffia, C. Cloud, **C. Leonardi** and C. Marerro. Preoperative Computed Tomography Scan in Distal Radius Fractures and the Effect on Preoperative Planning. *Journal of Hand Surgery Global Online*. 6 (2024) 141 – 145. DOI:<https://doi.org/10.1016/j.jhsg.2023.10.012>
4. Beiter K.J., S.M. Knowles, Tedesco, **C. Leonardi**, P.L. Scharf, B.M. Chapman, T.A. Brown, L.E. Stuke, P.P. Greiffenstein, A.B. Marr, J.P. Hunt and A.A. Smith. Discrepancies in Mass Shootings and Access to Trauma Care Across the United States, 2014-2018. *The American Surgeon*. 2024;0(0). Epub March 23, 2024 doi:10.1177/00031348241241748
5. Heffernan MJ, **Leonardi C**, Andras LM, Fontenot B, Drake L, Pahys JM, Smith JT, Sturm PF, Thompson GH, Glotzbecker MP, Tetreault TA, Roye BD; Pediatric Spine Study Group; Li Y. Lowest instrumented vertebrae in early onset scoliosis: is there a role for a more selective approach? *Spine Deform*. 2024 Mar 21. doi: 10.1007/s43390-024-00842-x. Epub ahead of print. PMID: 38514530.

6. Graphia CT, Klatman SH, Hein RE, **Leonardi C**, Zura RD, Richard MJ. Medicaid and Indigent Patients Experience Delayed Fixation of Distal Radius Fractures, Resulting in Worse Consequential Radiographic Outcomes. *Orthopedics*. 2024 Mar-Apr;47(2):e93-e97.
7. Rajendra R, Laporte S, **Leonardi C**, Clement RC. Inter-physician Communication in Pediatric Orthopaedics: What do Pediatricians Want to Hear From us?. *Journal of Pediatric Orthopaedics* 44(2):p 124-128, February 2024. DOI: 10.1097/BPO.0000000000002561

## 2023

1. Li M, Fritz J, Gonzalez G, **Leonardi C**, Phillippi S, Trapido E, Celestin M, Yu Q, Tseng TS. The Effect of Minority Stress Processes on Stage of Change and Nicotine Dependence Level for Sexual and Gender Minority Smokers in the Deep South. *LGBT Health*. 2023 Dec 14. doi: 10.1089/lgbt.2022.0331. Epub ahead of print. PMID: 38100214.
2. Catinis AM, Hinojosa AJ, **Leonardi C**, Cook MW. Hepatic Vagotomy in Patients With Obesity Leads to Improvement of the Cholesterol to High-Density Lipoprotein Ratio. *Obes Surg*. 2023 Nov 4. doi: 10.1007/s11695-023-06800-2. Epub ahead of print. PMID: 37924466.
3. Rimmer SN, Miller J, Hill I, **Leonardi C**, Hilton D. Assessment of Pediatric Hidradenitis Suppurativa at a Regional Medical Center. 2023 *Clin Pediatr Dermatol*. 9:12.
4. Phillippi, S., H. Lindau, C.L. Thomas, K. Beiter, A. Fenton, M. Lawrence Bidwell, **C. Leonardi**, and E. Bowers. Hybrid group mentorship for youth impacted by familial substance use disorder. *JLPHA* 2023 May(3):2 page 49.
5. Li, M, J.M. Fritz, G.V. Gonzales, **C. Leonardi**, S. Philippi, E.J. Trapido, M.D. Celestin, Q. Yu and T.S. Tseng. Social Support Moderates the Relationship between Minority Stress and Stage of Change among LGBTQ Smokers in the Deep South. *Curr Psychol*. 2023. Epub ahead of print. <https://doi.org/10.1007/s12144-023-04416-4>
6. Hajirawala LN, **Leonardi C**, Orangio GR, Davis KG, Barton JS. Trends in Open, Laparoscopic, and Robotic Approaches to Colorectal Operations. *Am Surg*. 2023 May;89(5):2129-2131. doi: 10.1177/00031348211034754. Epub 2021 Jul 28. PMID: 34318696.
7. Barnett SA, Song BM, Bauer M, Nungesser ME, **Leonardi C**, Heffernan MJ. Minimalistic approach to enhanced recovery after pediatric scoliosis surgery. *Spine Deform*. 2023 Jul;11(4):841-846. doi: 10.1007/s43390-023-00675-0. Epub 2023 Mar 19.
8. Van Deventer, L., Bronstone, A., **Leonardi, C.** Bennett, M., Yager,P. and V. Dasa. A modern multimodal pain protocol eliminates the need for opioids for most patients following total knee arthroplasty: results from a retrospective comparative cohort study. *J EXP ORTOP* 10, 20 2023. <https://doi.org/10.1186/s40634-023-00585-0>
9. Marrero CE, Petrie JK, Bonvillain K 2nd, **Leonardi C**, Stinger BA. The Economic Impact of Acute Firearm Injuries at a Trauma Center in New Orleans. *Am J Prev Med*. 2023 Feb;64(2):221-226. doi: 10.1016/j.amepre.2022.09.007. PMID: 36336563.
10. Shelton WL, Krause PC, Fox R, Lowe M, DeLatin L, **Leonardi C**, Miller AN, Spitler C, Mullis B, Savakus J, Purcell K, Tilan J, Vallier H, Wichern E. Risk of Infection Following Gunshot Wound Fractures to the Foot and Ankle: A Multicenter Retrospective Study. *J Foot Ankle Surg*. 2023 Jan-Feb;62(1):50-54. doi: 10.1053/j.jfas.2022.03.011. Epub 2022 Apr 1. PMID: 35466017.

11. Schexnayder SP, Valentino JL, **Leonardi C**, Bronstone AB, Dasa V. Factors Associated With Loss to Follow-up During the First Year After Total Knee Arthroplasty. *Orthopedics*. 2023 Mar-Apr;46(2):93-97. doi: 10.3928/01477447-20221129-04. Epub 2022 Dec 2.

## 2022

12. Bloise C., B. Fong, K. Jeffers, **C. Leonardi**, T. Veale, J. Poche, A. Bronstone, and V. Dasa. Predictors of Disparities in Patient-Reported Outcomes Before and After Arthroscopic Meniscectomy. *Journal of Knee Surgery. J Knee Surg. J Knee Surg.* 2023 Jun;36(7):792-800. doi: 10.1055/s-0042-1743229. Epub 2022 Feb 25. PMID: 35213921.
13. Bronstone AB, **Leonardi C**, Kubilay T, Plessl DS, Morreale PJ, Tortorich GM, Krause PC. Dramatic Reduction in Opioid Prescribing for Common Outpatient Orthopaedic Lower Extremity Surgical Procedures at a Louisiana University-Based Safety-Net Hospital After Enactment of Opioid-Limiting State Legislation. *J Am Acad Orthop Surg.* 2022 Feb 1;30(3):e405-e414. doi: 10.5435/JAAOS-D-21-00390. PMID: 34851862.
14. Heffernan MJ, Younis M, Song B, Fontenot B, Dewitz R, Brooks JT, **Leonardi C**, Barnett SA. Disparities in Pediatric Scoliosis: The Impact of Race and Insurance Type on Access to Nonoperative Treatment for Adolescent Idiopathic Scoliosis. *J Pediatr Orthop.* September 2022 - Volume 42 - Issue 8 - p 427-431 doi: 10.1097/BPO.0000000000002213
15. Tumminello ME, Hogan MG, **Leonardi C**, Barton JS, Cook MW, Davis KG. Morbid Obesity Not a Risk for Serious Complications Following Outpatient Surgery. *The American Surgeon.* May 2022. doi:10.1177/00031348221103656
16. Hajirawala LN, Moreci R, **Leonardi C**, Bevier-Rawls ER, Orangio GR, Davis KG, Barton JS, Klinger AL. Laparoscopic Colectomy for Acute Diverticulitis in the Urgent Setting is Associated with Similar Outcomes to Open. *Am Surg.* 2022 May;88(5):901-907. doi: 10.1177/00031348211054553. Epub 2021 Nov 2. PMID: 34727724.
17. Danos D, **Leonardi C**, Wu XC. Geographic determinants of colorectal cancer in Louisiana. *Cancer Causes Control.* 2022 Apr;33(4):525-532. doi: 10.1007/s10552-021-01546-7. Epub 2022 Jan 7. PMID: 34994869; PMCID: PMC8904347.
18. Bronstone, A., **C. Leonardi**, J. M. Brown, R. Crabb, and V. Dasa. Multimodal opioid-sparing Analgesia for Total Knee Arthroplasty: Results from a Retrospective Case Series of 40 Patients. *Journal of Orthopaedic Experience and Innovation.* March. 2022.
19. Hajirawala LN, Krishnan V, **Leonardi C**, Bevier-Rawls ER, Orangio GR, Davis KG, Klinger AL, Barton JS. Minimally Invasive Surgery is Associated with Improved Outcomes Following Urgent Inpatient Colectomy. *JLS.* 2022 Jan-Mar;26(1):e2021.00075. doi: 10.4293/JLS.2021.00075. PMCID: PMC8896814.
20. Schwartzberg, H.G, R. Roy, K. Wilson, H. Starring, **C. Leonardi**, A. Bronstone, and V. Dasa. Patient Characteristics Independently Associated with Knee Osteoarthritis Symptom Severity at Initial Orthopedic Consultation. 2022 *J Clin Rheumatol.* 28(2): e359-e362
21. Barnett, S. A., Song, B., Yan, J., Lucak, T., **Leonardi, C.**, Kadhim, M. And M.J. Heffernan. 2022. The Feasibility of Utilizing Malunion Criteria to Limit Radiographs After Spica Casting for Pediatric Femur Fractures. *J Pediatr Orthop. J Pediatr Orthop.* Feb II;42(2):e115-e119.
22. Heffernan MJ, Younis M, Glotzbecker MP, Garg S, **Leonardi C**, Poon SC, Brooks JT, Sturm PF, Sponseller PD, Vitale MG, Emans JB, Roye BD. 2022. Pediatric Spine Study Group

- (PSSG). The Effect of Surgeon Experience on Outcomes Following Growth Friendly Instrumentation for Early Onset Scoliosis. *J Pediatr Orthop*. Feb II;42(2):e132-e137.
23. Cloud C, Fong B, Bloise C, **Leonardi C**, Krause PC, Lee OC. Advantages of a Dedicated Orthopaedic Trauma Operating Room for Diaphyseal Femur Fractures. *J Orthop Trauma*. 2022 Jul 1;36(7):321. doi: 10.1097/BOT.0000000000002319. PMID: 35726999.
24. Bronstone AB, **Leonardi C**, Kubilay T, Plessl DS, Morreale PJ, Tortorich GM, Krause PC. Dramatic Reduction in Opioid Prescribing for Common Outpatient Orthopaedic Lower Extremity Surgical Procedures at a Louisiana University-Based Safety-Net Hospital After Enactment of Opioid-Limiting State Legislation. *J Am Acad Orthop Surg*. 2022 Feb 1;30(3):e405-e414. doi: 10.5435/JAAOS-D-21-00390. PMID: 34851862.

## 2021

25. Hajirawala L, **Leonardi C**, Orangio G, Davis K, Barton J. Urgent Inpatient Colectomy Carries a Higher Morbidity and Mortality Than Elective Surgery. *J Surg Res*. 2021 Dec;268:394-404. doi: 10.1016/j.jss.2021.06.081. PMID: 34403857.
26. Suwak, P., A. Kumar, K. Bonvillain II, M. Darlow, P. D'Amore, **C. Leonardi**, and L.C. McCluskey Jr. Assessing vertebral body rotation for percutaneous pedicle screw placement in scoliosis surgery. *Semin Spine Surg - Volume 33- Issue 4 – December 2021*: 100908. doi.org/10.1016/j.semss.2021.100908
27. Heffernan, M.J., S.A. Barnett, M.E. Nungesser, B.M. Song, **C. Leonardi**, and J. Gonzales. 2021 The Impact of Cast Immobilization on Return to Daycare. *J Pediatr Orthop*. Oct 1;41(9):571-575.
28. Simkin J, Valentino J, Cao W, McCarthy C, Schuon J, Davis J, Marrero L, Dasa V, **Leonardi C**, Yu Q. Quantifying Mediators of Racial Disparities in Knee Osteoarthritis Outcome Scores: A Cross-Sectional Analysis. *JB JS Open Access*. Jul 28;6(3):e21.00004. doi: 10.2106/JBJS.OA.21.00004. PMID: 34337283; PMCID: PMC8318640
29. Barnett, S.A., B.M. Song, J. Yan, **C. Leonardi**, J. Gonzales, and M.J. Heffernan. Intraoperative Burden of Flexible Intramedullary Nailing and Spica Casting for Femur Fractures in Young Children. *Journal of Pediatric Orthopedics*. August 2021 - Volume 41 - Issue 7 - p e499-e505 doi: 10.1097/BPO.0000000000001857
30. Heffernan MJ, Song B, Bovid KM, **Leonardi C**, Fornari ED. Assessing the Impact of the Pediatric Orthopaedic Society of North America (POSNA) Visiting Scholar Program. *J Pediatr Orthop*. Mar 1;41(3):197-201. doi: 10.1097/BPO.0000000000001729. PMID: 33534369.
31. Barnett SA, Fontenot B, **Leonardi C**, Gonzales JA, Gargiulo D, Heffernan MJ. Comparison of Short-leg and Long-leg Casts for the Treatment of Distal Third Tibial Shaft Fractures in Children. *J Pediatr Orthop*. Mar 1;41(3):e259-e265 PMID: 33417388. doi: 10.1097/BPO.0000000000001741.
32. Shalhub, S., N. Mouawad, R. Malgor, A. Johnson, M. Wohlauser, S. Coogan, K. Loveland, R. Cuff, **C. Leonardi**, D. Coleman, M. Sheahan and K. Woo. Global Vascular Surgeons experience, stressors, and coping during the COVID-19 Pandemic. Mar;73(3):762-771.e4 *J Vascular Surgery*. DOI:https://doi.org/10.1016/j.jvs.2020.08.030

33. Tiu SPT, Hajirawala LN, **Leonardi C**, Davis KG, Orangio GR, Barton JS. Delayed Surgery Does Not Increase Risk in Urgent Colectomy for Ulcerative Colitis. *Am Surg*. 2021 Jun;87(6):880-884. doi: 10.1177/0003134820971576. PMID: 33280393.

## 2020

34. Starring H, Waddell WH, Steward W, Schexnayder S, McKay J, **Leonardi C**, Bronstone A, Dasa V. Total Knee Arthroplasty Outcomes in Patients with Medicare, Medicare Advantage, and Commercial Insurance. *J Knee Surg*. 2020 Sep;33(9):919-926. doi: 10.1055/s-0039-1688785. Epub 2019 May 23. PMID: 31121632.
35. Fink, M., K. Klein, K. Sayers, **C. Leonardi**, A. Bronstone, P. M. Wiseman, and V. Dasa. Objective data reveals gender preferences for patients' primary care physician. *J Prim Care Community Health*. 2020 Jan-Dec;11:2150132720967221. doi: 10.1177/2150132720967221.
36. Scott J., D. Danos, R. Collins, N. Simonsen, **C. Leonardi**, R. Scribner, and D. Herd. Structural racism in the built environment: Segregation and the overconcentration of alcohol outlets. *Health and Place*. DOI: 10.1016/j.healthplace.2020.102385
37. Heffernan MJ, Shelton W, Song B, Lucak TJ, **Leonardi C**, Kadhim M. Predictors of Open Reduction in Pediatric Femur Fractures Treated With Flexible Nails. *J Pediatr Orthop*. 2020 Aug;40(7):e566-e571. doi: 10.1097/BPO.0000000000001511. PMID: 31972726.
38. Plessl D., Salomon B., Haydel A., **Leonardi C.**, Bronstone A., V. Dasa. Rapid Versus Standard Recovery Protocol is Associated with Improved Recovery of Range of Motion 12 Weeks Following Total Knee Arthroplasty. *J Am Acad Ortho Surg*. Nov 1;28(21):e962-e968. doi: 10.5435/JAAOS-D-19-00597. PMID: 32053526.

## 2019

39. Haydel, A.M., Guilbeau, S.A., **C. Leonardi**, A.B. Bronstone, and V. Dasa. 2019. Achieving Validated Thresholds for Clinically Meaningful Change on the Knee Injury and Osteoarthritis Outcome Score Following Total Knee Arthroplasty: Findings from a University-based Orthopedic Tertiary Care Safety Net Practice. *JAAOS Global Research & Reviews*. 3(11):e00142.
40. Miller, A.M., D.T. Beyer, H.M Starring, **C. Leonardi**, A.B. Bronstone, and V. Dasa. 2019. Importance of Routine Bone Mineral Density Screening Prior to Elective Total Joint Replacement. *Orthopedics*. 42(6):310-312. DOI: 10.3928/01477447-20191022-01
41. Hossain, F, D. Danos, O. Prakash, A. Gilliland, T. Ferguson, N. Simonsen, **C. Leonardi**, Q. Yu, C. Wu, L. Miele, and R. Scribner. 2019. Neighborhood Social Determinants of Triple Negative Breast Cancer. *Front. Public Health* 7:18. DOI: 10.3389/fpubh.2019.00018.
42. Kantrow SP, Jolley SE, Price-Haywood EG, Wang X, Tseng TS, Arnold D, Brown L, **Leonardi C**, Scribner RA, Trapido EJ, and Lin Hy. 2019. Using the Emergency Department to Investigate Smoking in Young Adults. *Annals of Epidemiology*. 30:44-49.

## 2018

43. Schexnayder, S., Arnaud, E.H., Schexnayder, L., Patel, V., **Leonardi C.** and V.Dasa. 2018. Are Patients With Valgus Alignment the Same as Varus Alignment Prior to TKA? *Orthopedics*. 41(6):e783–e788.
44. Danos, D., **Leonardi, C.**, Gilliland, A., Shankar, S., Srivastava, R., Simonsen, N., Ferguson, T., Yu, Q., Wu, CX., and R. Scribner. 2018. Increased risk of Hepatocellular carcinoma associated with neighborhood concentrated disadvantage. *Front. Oncol.* 8:375. DOI: 10.3389/fonc.2018.00375.
45. Hollier, J., **Leonardi, C.**, Igbokwe, L., and V. Dasa. 2018. Knee range of motion as a discriminatory tool indicating potential meniscal tears. *Ochsner J. Summer*;18(2):126-130. DOI: 10.31486/toj.17.0040.
46. Marrero C.E, . L. I. Igbokwe and **C. Leonardi**. 2018. Access to Orthopedic care post Medicaid expansion through the Affordable Care Act. *J. Nat. Med. Ass.* DOI:10.1016/j.jnma.2018.07.005.
47. Scribner, R .A., R. L. Radix, A. E. Gilliland, **C. Leonardi**, T. F. Ferguson, T. P. Noel, R. G. Andall, N. R. Andall, C. Radix, R. Frank, J. Benjamin, J. James, R. Benjamin, R. L. Waechter, and M. S. Sothern. 2018. Absence of Adolescent Obesity in Grenada: A Generational Effect? *Front. Public Health* 6:204. DOI: 10.3389/fpubh.2018.00204.
48. Danos, D.M., T.F. Ferguson, N. R. Simonsen, **Leonardi C.**, Q.Yu ,X.C. Wu and R.A. Scribner. 2018. Neighborhood disadvantage and racial disparities in colorectal cancer incidence: a population-based study in Louisiana. *Ann Epidemiol.* 28(5):316-321.e2.
49. Schexnayder S., Starring H., Fury M., Mora A., **Leonardi C.**, V. Dasa. 2018. The formation of a medical student research committee and its impact on involvement in departmental research. *Med. Educ. Online.* 23(1):1424449.
50. Lago, A., M. Socha, A. Geiger, D. Cook, N. Silva-del-Río, C. Blanc, R. Quesnell and **C. Leonardi**. 2018. Efficacy of colostrum replacer versus maternal colostrum on immunological status, health, and growth of preweaned dairy calves. *J. Dairy Sci.* 101(2):1344–1354.

## 2017

51. García-Muñoz, A., Singh N., **Leonardi C.** and N. Silva-del-Río. 2017. Effect of hoof trimmer intervention in moderately lame cows on lameness progression and milk yield. *J. Dairy Sci.* 100(11):9205-9215.
52. Skizim, M., Harris N., **Leonardi C.** and R. Scribner. 2017. Academic-Community Partnership Development to Enhance Program Outcomes in Underserved Communities: A Case Study. *Ethn. Dis.* 27(Suppl 1): 321-328.
53. Hymel A., Asturias S., Zhao F., Bliss R., Moran T., Marshall R.H., Benjamin E., Phelan H.A., Krause P.C., Marecek G.S., **Leonardi C.**, Stuke L., Hunt J.P., Mooney J.L. 2017. Selective versus nonselective embolization versus no embolization in pelvic trauma: A multicenter retrospective cohort study. *J Trauma Acute Care Surg.* 83(3):361-367.
54. Townsend LA, Roubion RC, Bourgeois DM, **Leonardi C**, Fox RS, Dasa V, Pollock GR. 2017. Impact of Age on Patient-Reported Outcome Measures in Total Knee Arthroplasty. *J Knee Surg.* Aug 25. DOI: 10.1055/s-0037-160555.

55. Yu, Q., R. A. Scribner, **Leonardi C.**, Lu Zhang, C. Park, L. Chen, and N. Simonsen. 2017. Exploring racial disparity in obesity: a mediation analysis considering geo-coded environmental factors. *Spatial and Spatio-temporal Epidemiology*. 21:13-23.
56. **Leonardi C.**, N. Simonsen, Q. Yu, C. Park, R. A. Scribner. 2017. Street Connectivity and Obesity Risk: Evidence From Electronic Health Records. *Am. J. Prev. Med.* 52(1):S40-S47.
57. Scribner R. A., N. Simonsen, and **C. Leonardi**. 2017. The Social Determinants of Health Core: Taking A Place-Based Approach. *Am. J. Prev. Med.* 52(1):S13-S19.

## 2016

58. Gressley, T. F., K. A. Davison, J. Macies, **C. Leonardi**, M. M. McCarthy, L. M. Nemec, and C. A. Rice. 2016. Effect of abomasal carbohydrates and live yeast on measures of postruminal fermentation. *J. Anim. Sci.* 94:284-296.
59. Roubion, R. C., R. S. Fox, L. A. Townsend, G.R. Pollock, **C. Leonardi**, and V Dasa. 2016. Does marital status impact outcomes after total knee arthroplasty? *J. Arthroplasty*. S0883-5403(16)30084-5.
60. Kepper M., M. Sothern, J. Zabaleta, E. Ravussin, C. Velasco-Gonzalez, **C. Leonardi**, L. Griffiths, C Park, J. Estrada, and R. Scribner: 2016. Pre-pubertal children exposed to concentrated disadvantage: Effects on biomarkers of inflammation and metabolic dysfunction. *Obesity*. 24(5):1148-1153.
61. Queiroz-Williams. P, F da Cunha A., T. Doherty and **C. Leonardi**. 2016. Effects of ketamine and lidocaine in combination on the sevoflurane minimum alveolar concentration in alpacas. *Canadian J. Of Vet. Research*. 80:140-145.

## 2011-2015

62. Sutton GM, Ptitsyn AA, Floyd ZE, Yu G, Wu X, Hamel K, Shah FS, Centanni A, Eilertsen K, Kheterpal I, Newman S, **Leonardi C**, Freitas MA, Bunnell BA, Gimble JM. 2013. Biological aging alters circadian mechanisms in murine adipose tissue depots. *Age*. 35(3):533-47.
63. Rowntree J. E., L. Guo, K. A. Guidry, G. T. Gentry, L. L. Southern, **C. Leonardi**. 2013. A macromineral survey of Louisiana beef cow-calf production systems. *The Professional Animal Scientist* 08/2013; 29(4):372-382.
64. **Leonardi, C.**, V. R. Moreira, R. D., Bardwell M. E. McCormick, M. Autin, B. Perez, and M. C. Martinez. 2011. An assessment of current feeding practices in Louisiana dairy farms. *J. of Extension*. Vol 49. Num.6 Article:6RIB8.
65. Tudor-Locke, C. **C. Leonardi**, W. D. Johnson, P. T. Katzmarzyk. 2011. Time spent in physical activity and sedentary behaviors on the working day: the American time use survey. *J. Occup. Environ. Med.* 53(12):1382-7.
66. Tudor-Locke, C., S.M Camhi, **C. Leonardi**, W. D. Johnson, P. T. Katzmarzyk, C.P. Earnest and T. S. Church. 2011. Patterns of adult stepping cadence in the 2005-2006 NHANES. *Preventive Medicine*. 53(3):178-81
67. Tudor-Locke, C., **C. Leonardi**, W. D. Johnson, P. T. Katzmarzyk and T. S. Church. 2011. Accelerometer steps/day translation of moderate-to-vigorous activity. *Preventive Medicine*. 53(1-2):31-3.
68. Murugesu, A., C. E. Astete, **C. Leonardi**, and C. M. Sabliov. 2011. Chitosan/PLGA particles

for controlled release of alpha-tocopherol in the gastrointestinal tract via oral administration. *Nanomedicine (Lond.)*. 6(9):1513-28.

69. Patel, N., K, Damann, C. Leonardi, and C. M. Sabliov. 2011. Size effect on uptake of Itraconazole Loaded Poly(lactic-co-glycolic) Acid Nanoparticles and associated improved antifungal activity. *Nanomedicine (Lond.)*. 6(8):1381-95.

## 2003-2010

70. Patel, N., K, Damann, **C. Leonardi**, and C. M. Sabliov. 2010. Itraconazole Loaded Poly(lactic-co-glycolic) Acid Nanoparticles for Improved Antifungal Activity. *Nanomedicine (Lond.)* 5(7):1037-50.
71. Boldor, D., A. Kanitkar, B.G. Terigar, **C. Leonardi**, M. Lima and G.A. Breitenbeck. 2010. Microwave Assisted Extraction of Biodiesel Feedstock from the Seeds of Invasive Chinese Tallow Tree. *Environ. Sci. Technol.* 44 (10):4019–4025.
72. Moreira, V. R., B. D. LeBlanc, E. C. Achberger, D. G. Frederick, **C. Leonardi**. 2010. Design and evaluation of a sequential biological treatment system for dairy parlor wastewater in Southeastern Louisiana. *Appl. Eng. in Ag.* 26: 125-136.
73. Sabliov, C. M., C. Fronczek, C. E. Astete, M. Khachatryan, L. Khachatryan, and **C. Leonardi**. 2009. Effects of temperature and UV light on degradation of alpha-Tocopherol in free and dissolved form. *J. Am. Oil Chem. Soc.* 86: 895-902.
74. Moreira, V. R., L. K. Zeringue, C. C. Williams, **C. Leonardi**, and M. E. McCormick. 2009. Influence of calcium and phosphorus feeding on markers of bone metabolism in transition cows. *J. Dairy Sci.* 92: 5189-98.
75. C. Kendall, **C. Leonardi**, P. C. Hoffman and D. K. Combs. 2009. Intake and Milk Production of Cows Fed Diets that Differed in Dietary NDF and NDF Digestibility. *J. Dairy Sci.* 92:313-323.
76. DiMiceli, J. K., Stouffer, P. C., Johnson, E. I., **Leonardi, C.** and E. B. Moser. 2007. Seed preference of wintering Henslow's sparrows. *The Condor.* 109: 595-604.
77. **Leonardi, C.**, and L. E. Armentano. 2007. Short Communication: Feed selection by dairy cows fed individually in tie-stall or as a group in a free-stall barn. *J. Dairy Sci.* 90:2386-2389.
78. **Leonardi, C.**, S. Bertics, and L.E. Armentano. 2005. Effect of increasing oil from distillers grains or corn oil on lactation performance. *J. Dairy Sci.* 88: 2820-2827.
79. **Leonardi, C.**, F. Giannico, and L.E. Armentano. 2005. Effect of water addition on selective consumption (sorting) of dry diets by dairy cattle. *J. Dairy Sci.* 88: 1043-1049.
80. **Leonardi, C.**, L.E. Armentano, and K.J. Shinnors. 2005. Effect of different dietary geometric mean particle length and particle size distribution of oat silage on feeding behavior and productive performance of dairy cattle. *J. Dairy Sci.* 88: 698-710.
81. **Leonardi, C.**, W. Stockland and L. E. Armentano. 2004. Effect of the Processing Method of Soybean Meal on Production Response of Lactating Cows. *The Prof. Anim. Sci.* 20:74-78.
82. **Leonardi, C.**, M. Stevenson, and L.E. Armentano. 2003. Effect of two levels of crude protein and supplementation of methionine on performance of dairy cows. *J. Dairy Sci.* 86:4033-4042.
83. **Leonardi, C.**, and L.E. Armentano. 2003. Effect of quantity, quality and length of alfalfa hay on selective consumption by dairy cows. *J. Dairy Sci.* 86:557-564.

## ABSTRACTS AND CONFERENCE PROCEEDINGS

1. Bratton, M., R. Rajendra, **C. Leonardi** and R.C. Clement. Characterizing the Spectrum of Scoliosis in Autism. SOA. 41st Annual Meeting July 17-20, 2024, Miami Beach, FL.
2. Daigle C.; Davis Martin; Ryan Schroeder; Matthew Spitchley; **Claudia Leonardi**; Berje Shammassian; Amit Bhandutia. Comparing Acdf Outcomes By Cervical Spine Level: A Single Center Retrospective Study. ORS. 70th Annual Meeting February 2-6, 2024, Long Beach, CA.
3. Lieberman EG, Ozery M, Bernstein JA, Wolfstadt JI, Landy DC, **Leonardi C**, Cohen-Rosenblum A. Why do Early Career Adult Reconstruction Surgeons Change Jobs? A Survey Study. Accepted for Poster Presentation AAOS Annual Meeting 2023. San Francisco, CA.
4. Davis E. Martin, Ryan J Schroeder, Matthew Spitchley, Clifton Daigle, **Claudia Leonardi**, Amit Bhandutia and Berje H Shammassia. Comparing ACDF Outcomes by Cervical Spine Level: A Retrospective Study. COS, 111th Annual Meeting September 6-9, 2023, New Orleans
5. Haydel A, Roubion R, Graphia C, Cloud C, **Leonardi C**, Marrero C. Pre-operative CT scan in Distal Radius Fractures and the effect on pre-operative planning. Podium Presentation. Louisiana Orthopedic Association Annual Meeting, New Orleans, LA. February 4, 2023.
6. Haydel A, Baum S, Johnson T, **Leonardi C**, Krause P. Comparison of outcomes for operative vs nonoperative management of GSW humerus fractures. Podium Presentation by Baum S, Southeastern Fracture Consortium Annual Symposium, Charlotte, NC. February 3, 2023.
7. Van Deventer L, Bronstone A, **Leonardi C**, Bennett, M, Yager P, Dasa V. Automatic Versus Upon Request Opioid Prescribing Following Total Knee Arthroplasty Poster Presentation. Orthopaedic Research Society Annual Meeting. Dallas, TX. February 2023.
8. Van Deventer L, Bronstone A, **Leonardi C**, Bennett, M, Yager P, Dasa V. Opioid-Reducing Multimodal Pain Management Following Total Knee Arthroplasty (TKA). American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, NV. Poster Presentation March 2023.
9. Barnett SA, Song BM, Fontenot B, **Leonardi C**, Heffernan MJ. Do All Patients Have Equal Access to Nonoperative Treatments for Adolescent Idiopathic Scoliosis? American Academy of Orthopaedic Surgeons Annual Meeting. Podium Presentation. March 2022.
10. Barnett SA, Song BM, Fontenot B, **Leonardi C**, Heffernan MJ. Do All Patients Have Equal Access to Nonoperative Treatments for Adolescent Idiopathic Scoliosis? Pediatric Orthopaedic Society of North America Annual Meeting. Vancouver, CA. E-Poster Presentation. May 2022.
11. Heffernan MJ, Barnett SA, Song BM, Yan J, Lucak TJ, **Leonardi C**, Kadhim M. The Feasibility of Utilizing Malunion Criteria to Limit Radiographs After Spica Casting for Pediatric Femur Fractures. Pediatric Orthopaedic Society of North America Annual Meeting. Vancouver, CA. Podium Presentation. May 2022.
12. Heffernan MJ, Younis M, Glotzbecker MP, Garg S, **Leonardi C**, Poon SC, Brooks JT, Sturm PF, Sponseller PD, Vitale MG, Emans JB, Pediatric Spine Study Group, Roye BD. The Effect of Surgeon Experience on Outcomes Following Growth Friendly Instrumentation for Early Onset Scoliosis. Pediatric Orthopaedic Society of North America Annual Meeting. Vancouver, CA. E-Poster Presentation. May 2022.
13. Barnett SA, Song BM, Fontenot B, **Leonardi C**, Heffernan MJ. Do All Patients Have Equal Access to Nonoperative Treatments for Adolescent Idiopathic Scoliosis? American Academy of Pediatrics Section on Orthopaedics. Anaheim, CA. Podium Presentation. October 2022.

14. Fontenot B, Younis M, D'Amore PW, **Leonardi C**, Heffernan MJ. Rule Breakers: Upper Instrumented Level Selection and Shoulder Balance in Idiopathic Scoliosis. American Academy of Pediatrics Section on Orthopaedics. Anaheim, CA. Podium Presentation. October 2022.
15. Heffernan MJ, **Leonardi C**, Andras LM, Fontenot B, Li Y, Drake L, Pahys J, Smith J, Sturm P, Thompson G, Glotzbecker MG, Roye B, Pediatric Spine Study Group. Factors Associated with LIV Selection in Early Onset Scoliosis. 16th Annual International Congress on Early Onset Scoliosis and the Growing Spine (ICEOS). Rome, Italy. E-poster Presentation. November 2022.
16. Bronstone, A., **C. Leonardi**, J. Brown, R.A.L. Crabb, and V. Dasa. Is Opioid Free Total Knee Arthroplasty Possible? Results From a Retrospective Case Series of 40 Patients. AAOS Annual Meeting, March 22-26, 2022 in Chicago, Illinois
17. Heffernan MJ, Song, B., Dewitz,R., **Leonardi, C.**, Kadhim, M. and S.A. Barnett. Do All Patients Have Equal Access to Nonoperative Treatment for Pediatric Scoliosis? POSNA Annual Meeting, May 11 – 14, 2022 in Vancouver, BC, Canada.
18. Barnett, S. A., Song, B., Yan, J., Lucak, T., **Leonardi, C.**, Kadhim, M. And M.J. Heffernan. The Feasibility of Utilizing Malunion Criteria to Limit Radiographs After Spica Casting for Pediatric Femur Fractures. POSNA Annual Meeting, May 11 – 14, 2022 in Vancouver, BC, Canada.
19. Heffernan MJ, Younis M, Glotzbecker MP, Garg S, **Leonardi C**, Poon SC, Brooks JT, Sturm PF, Sponseller PD, Vitale MG, Emans JB, Roye BD; Pediatric Spine Study Group (PSSG). The Effect of Surgeon Experience on Outcomes Following Growth Friendly Instrumentation for Early Onset Scoliosis. POSNA Annual Meeting, May 11 – 14, 2022 in Vancouver, BC, Canada.
20. Mansour, CT, **C Leonardi** PhD, J Paige MD, B Ustunsoz MD, H Ferral MD, A Fairchild MD. Efficacy of Percutaneous Drainage Following Ventral Hernia Repair with Synthetic Mesh vs. Cutis Autograft. American Roentgen Ray Society (ARRS), Annual Meeting, New Orleans 2022.
21. Mansour, CT, **C Leonardi**, P McLaren, M Cook, I Hodgdon, and J Paige. O34 - Autologous fenestrated cutis grafts for ventral hernia repairs in patients with obesity. British Journal of Surgery, Volume 108, Issue Supplement\_8, November 2021, znab396.033, <https://doi.org/10.1093/bjs/znab396.033>
22. Mansour, CT, **C Leonardi**, I Hodgdon, M Cook, J Morrison, and J Paige. Hernia Repair Using Autologous Fenestrated Cutis Graft is comparable to Traditional Methods of Repair. European Abdominal Wall Reconstructive Conference (AWRE), Royal College of Physicians, London 2021.
23. Mansour, CT, **C Leonardi**, I Hodgdon, M Cook, J Morrison, and J Paige. Autologous Fenestrated Cutis Grafts for Hernia Repair in Patients with Obesity. European Hernia Society-American Hernia Society Joint Congress: Hernia2021, Copenhagen-malmo, Denmark.
24. Mansour, CT, **C Leonardi**, I Hodgdon, M Cook, J Morrison, and J Paige. The Use of Autologous Fenestrated Cutis Grafts for Ventral Hernia Repair: An Adaptive Approach for Patients with a BMI Above Thirty. American Society for Metabolic & Bariatric Surgery 2021
25. Mansour, CT, **C Leonardi**, I Hodgdon, M Cook, J Morrison, and J Paige. Epigastric Hernia Repair Using Autologous Fenestrated Cutis Grafts: An Effective, Versatile Alternative to Current Therapies. American College of Surgeons, Louisiana Chapter 2021

26. Hajirawala, L, R Moreci, **C Leonardi**, ER Bevier-Rawls, GR Orangio, KG Davis, JS Barton, A Klinger. Laparoscopic colectomy for acute diverticulitis in the urgent setting is associated with similar outcomes to open. SESC 2021 Annual Meeting, August 21st – 24th, Atlanta, GA.
27. White T.C., P.W. D'Amore, M. Heffernan, **C. Leonardi**, and E.W. Villemez. Revisiting Hooks at the Upper Instrumented Level in Adolescent Idiopathic Scoliosis. SOA 38th Annual Meeting. July 21-24, 2021, Isle of Palms, SC.
28. Mansour C., **C. Leonardi**, J. Paige, I. Hodgdon, M. Cook, P. McLaren, J. Morrison. Epigastric hernia repair using autologous fenestrated cutis grafts: and effective, versatile alternative to current therapies. LA-ACS Virtual Annual Meeting March 5-7, 2021.
29. McCarthy C.T., J. Valentino, W. Cao, J. Simkin, J. Schuon, J. Davis, L. Marrero, **C. Leonardi**, V. Dasa, and Q. Yu. Quantifying Mediators Of Racial Disparities In Osteoarthritis Outcomes Scores. ORS 2021, February 13-16, 2021, Long Beach, CA.
30. Langley M., B. Kent, H. G. Schwartzberg, T. White, **C. Leonardi**, A. Bronstone and V. Dasa. Does Race Improve The Accuracy Of Models Predicting The Size Of TKA Femoral Components? ORS 2021, February 13-16, 2021, Long Beach, CA.
31. Schwartzberg HG, R. Roy, K. Wilson, H. Starring, A. Bronstone, **C. Leonardi** and V. Dasa. Patient Characteristics Associated With Knee Osteoarthritis (OA) Symptom Severity At Initial Orthopedic Consultation. ORS 2021, February 13-16, 2021, Long Beach, CA.
32. Heffernan, M, K. Bovid, B. Song, **C. Leonardi** and E. Fornari. Assessing the Impact of the Pediatric Orthopaedic Society of North America (POSNA) Visiting Scholar Program. POSNA's 2021 Annual Meeting.
33. Heffernan, M, B. Song, M. Nungesser and **C. Leonardi**. Return to Daycare Following Fracture Immobilization. POSNA's 2021 Annual Meeting.
34. Heffernan, M, S. Barnett, J. Gonzales, D. Gargiulo, B. Fontenot, and **C. Leonardi**. Comparison of Short and Long Leg Casts for the Treatment of Distal Third Tibial Shaft Fractures in Children. POSNA's 2021 Annual Meeting.
35. Tumminello, M, Riera, C, Perez, V, **Leonardi, C**, Greiffenstein, P. The True Lethality of Blunt Chest Wall Injury: An In-Depth Analysis of Deaths in Patients with Rib Fractures and Pulmonary Contusions. Chest Wall Injury Society, Denver, CO (2020)
36. Tumminello, M, Adams, E, Scheuermann, A, **Leonardi, C**, Greiffenstein, P. Understanding the relationship between pulmonary contusion and rib fracture severity. Louisiana American College of Surgeons, New Orleans, LA (2019)
37. Hajirawala, L.N., Miller, M.K., **Leonardi, C.**, Orangio, G.R., Davis, K.G., Barton, J.S.. Emergency, Urgent, and Elective Colectomies: A Comparison of Outcomes Using the American College of Surgeons National Surgical Quality Improvement Program.. Journal of the American College of Surgeons. 2019, Oct; 229(4): S60-S61.
38. Hajirawala, L.N., Miller, M.K., **Leonardi, C.**, Orangio, G.R., Davis, K.G., Barton, J.S.. Trends in Robotic Colorectal Surgery: Analysis of the ACS NSQIP Database from 2013 – 2017. Diseases of the Colon & Rectum. 2019, Jun; 62(6): E351.
39. Miller, M.K., Hajirawala, L.N., **Leonardi, C.**, Orangio, G.R., Davis, K.G., Barton, J.S.. Robotic, Laparoscopic, and Open Colectomies: A Comparison of Outcomes Using the American College of Surgeons National Surgical Quality Improvement Program.. Diseases of the Colon & Rectum. 2019, Jun; 62(6): E217-218.

40. Danos, D., Scribner, R., Price-Haywood, E., and **C. Leonardi**. Neighborhood Social Determinants of Hepatocellular Carcinoma. The 2019 Pennington Biomedical Research Center Scientific Symposium, Baton Rouge, Louisiana. (December 2019)
41. Scott, J., Danos, D., Collins, R., Simonsen, N., **Leonardi, C.** & Scribner, R. Origins of health disparities: Residential racial segregation and the overconcentration of alcohol outlets. Poster to be presented at the Population Association of America (PAA) Annual Conference. Austin, Texas. . (April, 2019).
42. Scott, J., Danos, D., Collins, R., Simonsen, N., **Leonardi, C.** & Scribner, R. Separate but unequal: Alcohol outlets as an indicator of systemic racism and the health risks of segregation. Paper presented at the Society for Social Work Research (SSWR) Annual Conference. San Francisco, California. (January, 2019).
43. Haydel, A., B. Salomon, D. Plessl, A. Bronstone, C. **Leonardi** and V. Dasa. Impact of a Rapid Recovery Protocol on Range of Motion Following Total Knee Arthroplasty. ORS annual meeting, Austin, TX. February 3, 2019.
44. Hodgeson S., K. Jordan, S. O'Brien, C. **Leonardi**, V. Dasa, and L. Marrero. Race-dependent synovial fibrosis may impact outcomes in patients undergoing TKA. ORS annual meeting, Austin, TX. February 3, 2019.
45. Danos D, Kepper M, Price-Haywood E, **Leonardi C**, Ferguson, T, Scribner, R. Utilizing Electronic Health Records to Evaluate Racial Disparities in Metabolic Syndrome. Presented at the University of Alabama's (UAB) 13<sup>th</sup> Annual Health Disparities Research Symposium, 2018. Birmingham, Alabama, March 2018.
46. Scott J, Danos D, Collins R, Simonsen N, **Leonardi C**, Scribner R. Alcohol Outlets as an Indicator of the Health Risks of Segregation. Presented at the University of Alabama's (UAB) 13<sup>th</sup> Annual Health Disparities Research Symposium, 2018. Birmingham, Alabama, March 2018.
47. Schexnayder S, Arnaud E, Schexnayder L, Patel V, **Leonardi C**, Dasa V. Are Patients With Valgus Alignment the Same as Varus Alignment Prior to TKA? LA Orthopedic Assoc Annual Meeting. New Orleans, LA Feb 2018.
48. John M, Schexnayder S, Dasa V, Krause P, **Leonardi C**, Molligan H. Traumatic Heterotopic Ossification and Risk Factor Analysis in a Civilian Cohort. LA Orthopedic Assoc Annual Meeting. New Orleans, LA Feb 2018.
49. Schexnayder S, Starring H, Fury M, Mora A, **Leonardi C**, Dasa V. The Formation of a Medical Student Research Committee and Its Impact on Involvement in Orthopaedic Departmental Research. LA Orthopedic Assoc Annual Meeting. New Orleans, LA Feb 2018.
50. Danos D, Ferguson T, Simonsen N, **Leonardi C**, Yu Q, Wu XC, Scribner R. Social determinants of Hepatocellular Carcinoma in Louisiana. Presented at the Tenth AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, 2017. Atlanta, Georgia, September 2017.
51. Danos D, Ferguson T, Simonsen N, **Leonardi C**, Yu Q, Wu XC, Scribner R. Racial Disparities in Late Stage Breast Cancer Diagnosis: Assessing Geographic Variation and Ecological Risk. Presented at the 50th Annual Society for Epidemiologic Research (SER) Conference, 2017. Seattle, Washington, June 2017.

52. Yu, Q., Scribner, R.A., Leonardi, C., Zhang, L., Park, C., Chen, L., and Simonsen, N.R., Mediation Analysis with Multiple Factors With an Application to Explore Racial Disparity in Obesity Using NHANES Data. Presented at The Western North American Region of the International Biometric Society Meeting, 2017. Santa Fe, New Mexico. June 2017.
53. **Leonardi, C.**, Kepper M., Yu, Q., Coulon, S.J., Velasco-Gonzalez C., Park, C.L., Gomez R., Vargas A., Stender, S., Zabaleta, J., Clesi, P., Chalew, S.A., Hempe, J.M. and R. Scribner. 2017. Neighborhood Disadvantage and Glycemic Control in Type I Diabetes: Mediators. University of Alabama's (UAB) 12<sup>th</sup> Annual Health Disparities Research Symposium. Birmingham, Alabama, April 2017.
54. Scribner, R., Danos, D., Ferguson, T., Simonsen, N., **Leonardi, C.**, Yu, Q. And X. Wu. 2017. Social Determinants of Liver Cancer in Louisiana. University of Alabama's (UAB) 12<sup>th</sup> Annual Health Disparities Research Symposium. Birmingham, Alabama, April 2017.
55. Danos, D., Ferguson, T., Simonsen, N., **Leonardi, C.**, Yu, Q., Wu, X and R. Scribner. 2017. Neighborhood Disadvantage and Racial Disparities in Colorectal Cancer Incidence: A Population Based Study in Louisiana. University of Alabama's (UAB) 12<sup>th</sup> Annual Health Disparities Research Symposium, 2017. Birmingham, Alabama, April 2017.
56. Ferguson, T., Scribner, R., Danos, D., Simonsen, N., **Leonardi, C.**, Yu, Q., and X.Wu. 2017. Racial Disparities in Late Stage Breast Cancer Diagnosis: Assessing Geographic Variation and Ecological Risk. University of Alabama's (UAB) 12<sup>th</sup> Annual Health Disparities Research Symposium. Birmingham, Alabama, April 2017.
57. Collins R, Danos D, **Leonardi C**, Simonsen N, Scribner R. 2017. An Analysis of the Relationship between Segregation and Alcohol Outlet Density in Mid South States. Presented at the University of Alabamas (UAB) 12th Annual Health Disparities Research Symposium, 2017. Birmingham, Alabama, April 2017.
58. Giambelluca Lavie L., Parsons M., Lensing G., Dasa V., and **C. Leonardi**. 2017. Is Outpatient Total Knee Arthroplasty Safe and Effective? Accepted ORS annual meeting, San Diego Ca, March 19, 2017.
59. Danos, D., Ferguson, T., Simonsen, N., **Leonardi, C.**, Yu, Q., Wu, X and R. Scribner. 2016. Implication of Neighborhood Disadvantage in the Incidence of Colorectal Cancer in Louisiana. Meharry Translational Research Center (MeTRC) 2016 Conference on Addressing Health Disparities. Nashville, Tennessee, November 2016.
60. Ferguson, T., Danos, D., Simonsen, N., **Leonardi, C.**, Yu, Q., Wu, X. and R. Scribner. 2016. Association of Concentrated Disadvantage with Cancer Incidence in Louisiana.' Presented at the Meharry Translational Research Center (MeTRC) 2016 Conference on Addressing Health Disparities. Nashville, Tennessee, November 2016.
61. Mohler, M., Scribner, R., Velasco-Gonzalez, C., Zabaleta, J., **Leonardi, C.**, Chi, L., Pelligrino, N., Uddo, R., Griffiths, L., Estrada, J. and Sothorn, M. Relationships between obesity, metabolic health and neighborhood concentrated disadvantage in pre-pubertal children. University of Alabama Birmingham Annual Health Disparities Research Symposium. March, 2015.
62. Townsend, L., Roubion, R., Pollock, G., Bourgieos, D., **Leonardi, C.**, Fox, R. and V. Dasa. Does Marital Status affect outcomes following TKA? AAHKS annual meeting, Dallas, TX. November 2015.

63. Mohler, M., Scribner, R., Velasco-Gonzalez, C., Zabaleta, J., **Leonardi, C.**, Chi, L., Pelligrino, N., Uddo, R., Griffiths, L., Estrada, J. and Sothern, M. Relationships between obesity, metabolic health and neighborhood concentrated disadvantage in pre-pubertal children. The Obesity Society Annual Scientific Meeting. November 2-7, 2014; Boston, MA.
64. Scribner R., **C. Leonardi**, C. Li, N. Simonsen Q. Yu and N. Pellegrino. 2014. Exposure to unhealthy food outlets and risk of obesity in the NHANES. 8th International Symposium on Geospatial Health. October 31- November 2, 2014. Page 24.
65. Scribner R., **C. Leonardi**, C. Li, N. Simonsen Q. Yu and N. Pellegrino. 2014. Geographic Determinants of Metabolic Dysregulation in the NHANES: Explaining an Effect of Race. 8th International Symposium on Geospatial Health. October 31- November 2, 2014. Page 27
66. Mohler, M., Scribner, R., Velasco-Gonzalez, C., Zabaleta, J., **Leonardi, C.**, Chi, L., Pelligrino, N., Uddo, R., Griffiths, L., Estrada, J. & Sothern, M. Relationships between obesity, metabolic health and neighborhood concentrated disadvantage in pre-pubertal children. 8th International Symposium on Geospatial Health. October 31- November 2, 2014. Page 24.
67. Scribner R., **C. Leonardi**, M. Southern. 2013. Geographic Distribution of Overweight and Obese Participants in NHANES Partially Explained by Elevation of Residence. The Obesity Society Annual Meeting, Atlanta. November 11-16, 2013. S134.
68. Scribner R., **C. Leonardi**, M. Southern. 2013. Effect of Walkability on BMI Mediated by Physical Activity: Evidence from the Continuous NHANES. The Obesity Society Annual Meeting, Atlanta. November 11-16, 2013. S134.
69. **Leonardi, C.**, E. Oral and W. T. Robinson. 2013. A Two-stage Randomized Response Technique for Surveying Sensitive Topics. The 27<sup>th</sup> Annual LSUHSC Graduate Research Day. LSU Health Science Center, New Orleans. November 8<sup>th</sup>, 2013. Page. 18.
70. Scribner R., **C. Leonardi**, N. Simonsen and Y. Qingzhao. Neighbourhood level predictors of physical activity and obesity in the continuous national health and nutrition examination survey (NHANES). 7th International Symposium on Geospatial Health. September 5-6, 2013. Page 66.
71. **Leonardi, C.**, E. Oral and W. T. Robinson. 2012. Mean and Sensitivity estimation using an Alternative Randomized response model. International Conference on Advances in Interdisciplinary Statistics and Combinatorics. October 5-7, 2012. Page 51.
72. Moreira, V. R., B. D. LeBlanc, E. C. Achberger, R. Sheffield, L. K. Zeringue, and **C. Leonardi**. 2010. Effect of loading profile on multi-stage wastewater treatment system effectiveness. In Proceedings of the 2010 CSREES National Water Conference, Hilton Head, SC (submitted).
73. Laborde, J.M., C. C. Williams, **C. Leonardi**, C. F. Hutchison, B. F. Jenny, B. L. Fisher, and A. H. Dolejsiova. 2009. Effect of probiotics and yeast culture on rumen development and growth of dairy calves. *J. Dairy Sci.* 92(Suppl.):I62 (Abstr).
74. Bridges, A.J., C.C. Williams, C.F. Hutchison, J.M. Laborde, A.N. Howard, and **C. Leonardi**. 2008. Effect of milk replacer composition on growth and rumen development of neonatal holstein calves. *J. Dairy Sci.* 91(Suppl.):I23 (Abstr).
75. **Leonardi, C.**, K. M. Krause, and D. K. Combs. 2006. Sampling ruminal pH: how many days and how frequent within day? *J. Dairy Sci.* 89 (Suppl.): 216 (Abstr).
76. Moreira, V.R. and **C. Leonardi**. 2006. Meta-analysis on the effect of main dietary forage on N excretion from dairy cows. *J. Dairy Sci.* 88 (Suppl.): 255 (Abstr).

77. Albers, E.A., C.C. Williams, C.F. Hutchinson, D.G. Gantt, **C. Leonardi**, L.R. Gentry, and C.C. Stanley. 2006. Effects of milking frequency in early lactation on prolactin and growth hormone release and on milk production throughout lactation. *J. Dairy Sci.* 89 (Suppl.): 353 (Abstr).
78. **Leonardi, C.** and K.W. Paxton. 2006. "Assessing the Economic Impact of Prescription Lint Cleaning Technology. *In Proc. Beltwide Cotton Conf.*, San Antonio, TX. 3-6 Jan. 2006. Natl. Cotton Council. Am., Memphis, TN.
79. **Leonardi, C.**, S. Bertics, and L.E. Armentano. 2005. Effect of increasing oil from distillers grains or corn oil on lactation performance. *J. Dairy Sci.* 88 (Suppl.): 177 (Abstr).
80. **Leonardi, C.**, and L. E. Armentano. 2004. Sorting by dairy cows fed a dry diet in a tie-stall vs. free-stall barn. *J. Dairy Sci.* 87 (Suppl.): 52 (Abstr).
81. Armentano, L.E and **C Leonardi**. 2003. Problems with sorting in total mixed rations. *Tri-State Nutr. Conf.* p.87:100.
82. **Leonardi, C.**, W. Stockland and L. E. Armentano. 2003. Effect of the Processing Method of Soybean Meal on Production Response of Lactating Cows. *J. Dairy Sci.* 86 (Suppl.): 338 (Abstr).
83. **Leonardi, C.**, F. Giannico, and L.E. Armentano. 2002. Effect of water addition on selective consumption (sorting) of dry diets by dairy cattle. *J. Dairy Sci.* 85 (Suppl.):62 (Abstr.).
84. **Leonardi, C.**, M. Stevenson, and L.E. Armentano. 2001. Effect of two levels of crude protein and supplementation of methionine on performance of dairy cows. *J. Dairy Sci.* 84 (Suppl.):36 (Abstr.).
85. **Leonardi, C.**, L.E. Armentano, and K.J. Shinnars. 2001. Effect of different particle size distribution of oat silage on feeding behavior and productive performance of dairy cattle. *J. Dairy Sci.* 84 (Suppl.):199 (Abstr.).
86. **Leonardi, C.**, and L.E. Armentano. 2000. Effect of quantity, quality and length of alfalfa hay on selective consumption by dairy cows. *J. Dairy Sci.* 83 (Suppl.): 272(Abstr.).
87. Segato, S., G.M. Burato, S. Preciso, **C. Leonardi**, and P. Berzaghi. 2000. Evaluation of recycling of a spent fermentation medium for starter bacteria cultures in dairy feeding. *Atti XIV Congresso Nazionale ASPA, Firenze June 12-15.*
88. Bovolenta, S., E. Sacca e **C. Leonardi**. 1999. Effect of concentrate on feeding behaviour of dairy cows grazing an alpine pasture. *Atti XIII Congresso Nazionale ASPA, Piacenza June 21-24.*
89. Berzaghi, P., G. Cozzi, **C. Leonardi** e S. Segato. 1999. The use of Infrared Spectroscopy (NIRS) for the determination of ruminal degradation kinetics of maize stover. *Atti XIII Congresso Nazionale ASPA, Piacenza June 21-24.*

## OTHER PUBLICATIONS

1. Moreira, V. R., L. Zeringue, C. C. Williams, A. Howard, **C. Leonardi**. 2009. Serum pyridinoline concentration pattern in lactating multiparous Holstein dairy cows. 2009 Louisiana Dairy Report. B. F. Jenny, ed. 65-67.
2. **Leonardi, C.**, V. R. Moreira, L. Zeringue, C. C. Williams, A. Howard, C. Leonardi. 2009. An assessment of current feeding practices of Louisiana dairy farms. 2009 Louisiana Dairy Report. B. F. Jenny, ed. 53-58.

3. Moreira, V. R., L. Zeringue, C. C. Williams, **C. Leonardi**, M. E. McCormick. 2009. Calcium and phosphorus supplementation and bone mobilization in transition cows. 2009 Louisiana Dairy Report. B. F. Jenny, ed. 59-64.
4. Paxton, K.W. and **C. Leonardi**. April 2008. "Precision Farming Practices and Perceptions. Louisiana Cotton Producers: Results from the 2005 Southern Precision Farming Survey." *SP 2008-05*, Department of Agricultural Economics and Agribusiness, LSU AgCenter. 33 pp.
5. Moreira, V. R., B. D. LeBlanc, E. C. Achberger, D. G. Frederick, **C. Leonardi**. 2007. Evaluation of Multiple-Stage Lagoons and Constructed Wetlands Treatment of Dairy Parlor Waste Effluent. In: Southeast Research Station Field Day Summaries 2007. LSU AgCenter SERS, Franklinton, LA. 6-10.
6. Moreira, V. R. and **C. Leonardi**. 2006. Meta-analysis of the effect of primary dietary forage source on manure nitrogen excretion. 2006 Louisiana Dairy Report. B. F. Jenny. 55-59.
7. Martin, R., L.E. Armentano, and **C. Leonardi**. 2000. Feed sorting and acidosis: Is there a link. *Hoard's Dairyman*. vol. 10. p. 625
8. Andrighetto, I., P. Berzaghi, G. Cozzi, G. Burato e **C. Leonardi**. 1999. Silomais piu lungo, costi di alimentazione minori. (Longer corn silage, lower feeding costs). *L'Informatore Agrario* 31:35-38.

## TEACHING EXPERIENCE

1. Instructor of I hour class on probability theory offered as part of EPID 7350 for epidemiology doctoral students (Fall 2013).
2. Instructor of EXST3201 – Statistical Analysis II - lectures and labs (Fall 2006, 2007, 2008 and Spring 2007).
3. Advisor of EXST3999 – Supervised Independent Study and Research (2 undergraduate students in Fall 2007 and 1 in Spring and Fall 2008).
4. Instructor of ENV5 7385 – Decision Theory and Risk Assessment (thought as Statistical Techniques I and II, Fall 2006).
5. Instructor of 9 class hours of statistical literacy offered as part of a Professional Master's Degree Programs for K-12 STEM Teachers at LSU (Summer 2007).
6. Instructor of EXST 4087 – Statistics for natural Science – a statistic course offered as part of a Professional Master's Degree Programs for K-12 STEM Teachers at LSU (Summer 2008).

## HONORS and SCHOLARSHIPS

1. Winner of the 2004-2005 Congressional Science Fellowship sponsored by Federation of Animal Science Societies (could not accept)
2. University of Padua "Study Abroad Scholarship post bachelor": granted based on GPA and interview, obtained to conduct research abroad post B.S. (1999)
3. Fondazione 'Aldo Gini' Scholarship post bachelor: granted based on GPA, obtained to conduct research abroad post B.S. (1998)
4. University of Padua "Study Abroad Scholarship during bachelor": granted based on GPA, obtained to spend a period of eight months abroad during B.S. (1996)
5. University of Padua Scholarship for academic excellence (1992 and 1993)

## **SERVICE**

1. Grader for Team Up Individual Reflection Assignments (LSUHSC: 2018 – current).
2. BCHS PhD Oral comprehensive exam Committee Member (LSUHSC: 2020 – current).
3. Orthopaedic Residency Admissions Committee Member (LSUHSC: 2018 – 2020, 2023 – current).
4. BCHS PhD Admissions Committee Member (LSUHSC: 2019 – current).
5. Student advisor for LSUHSC Summer Research Internship Program - Janusz Wojcik (2nd place Undergraduate, LSUHSC: 2021)
6. BCHS PhD Dissertation committee member (Ashley Fenton: 2020 – 2022; Mirandy Li: 2022).
7. Reviewer for Journal of Public Health Student Capstones (LSUHSC: 2020 – current).
8. Developed questions for BCHS PhD Written Comprehensive exam (LSUHSC: 2020).
9. Grader for the BCHS Comprehensive Exam section #2 - systematic review (LSUHSC: 2019).
10. Reviewer for Journal of Dairy Science (2004-2010).
11. Elected member at large of the International Student Association at LSU (2005-2006).
12. Active member of the dairy science graduate student association at University of Wisconsin (2002-2003).
13. Student representative at University of Padua (1994-1998) – actively provided student opinions in University decisions and collaborated with faculty organizing a change in building and developing new agriculture undergraduate degrees

## **PROFESSIONAL MEMBERSHIPS**

American Association for the Advancement of Science

American Statistical Association

## **STATISTICAL SKILLS**

SAS, SUDAAN, R, Mplus, Experimental Design, Generalized Linear Mixed Model, Multilevel Models, Survey Sampling, Sample Size/Power Analysis, Multivariate Analysis, Longitudinal Data Analysis, Statistical modeling.

## **OTHER SKILLS**

Diverse background with statistical and biological knowledge and training, extensive critical thinking experience.