

## CURRICULUM VITAE

### Jennifer Jury Mcintosh DO

Associate Professor  
Department of Obstetrics and Gynecology  
Division of Maternal Fetal Medicine

#### OFFICE ADDRESS:

Froedtert Specialty Clinics  
9200 W Wisconsin Ave  
Milwaukee, WI 53226

#### EDUCATION:

08/1999 - 05/2003 Bachelors of Arts in Chemistry, Management and French, Hope College, Holland, MI  
08/2003 - 05/2007 Doctor of Osteopathic Medicine, Michigan State University College of Osteopathic Medicine, East Lansing, MI  
08/2011 - 12/2013 Masters in Clinical and Translational Science, University of Oklahoma Health Sciences Center, Oklahoma City, OK

#### POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/01/2007 - 06/30/2011 Resident Physician, Obstetrics & Gynecology, Indiana University School of Medicine, Indianapolis, IN  
07/01/2011 - 06/30/2014 Fellow in Maternal Fetal Medicine, Obstetrics & Gynecology, Maternal Fetal Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK

#### FACULTY APPOINTMENTS:

07/01/2014 - 03/30/2015 Assistant Professor of Obstetrics and Gynecology, Obstetrics & Gynecology, Maternal Fetal Medicine, University of Oklahoma Health Sciences Center, Oklahoma City, OK  
04/2015 - 06/2020 Assistant Professor of Obstetrics and Gynecology, Obstetrics & Gynecology, Maternal Fetal Medicine, Medical College of Wisconsin, 9200 West Wisconsin Avenue, Milwaukee, WI 53226  
07/01/2020 - Present Associate Professor of Obstetrics and Gynecology, Obstetrics and Gynecology, Maternal Fetal Medicine, Medical College of Wisconsin, 9200 West Wisconsin Avenue, Milwaukee, WI 53226  
10/01/2020 - Present Associate Professor of Physiology, Physiology, Medical College of Wisconsin, 9200 West Wisconsin Avenue, Milwaukee, WI 53226

#### HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

04/01/2017 - 04/01/2019 Director of the Community Clinics of Maternal Fetal Medicine, Obstetrics & Gynecology, Maternal Fetal Medicine, Froedtert Memorial Lutheran Hospital, Milwaukee, WI  
2018 - Present Co-Director Maternal Fetal Medicine Hematology Clinic, Obstetrics & Gynecology, Maternal Fetal Medicine, Medical College of Wisconsin/Froedtert, Milwaukee, WI 53226

#### HOSPITAL STAFF PRIVILEGES:

04/01/2015 - Present Maternal Fetal Medicine Specialist, Froedtert West Bend Hospital, 3200 Pleasant Valley Road, West Bend, WI 53095  
04/01/2015 - Present Maternal Fetal Medicine Specialist, Froedtert Menominee Falls Hospital, W180 N8085 Town Hall Road, Menomonee Falls, WI 53051  
04/01/2015 - Present Maternal Fetal Medicine Specialist, Froedtert Memorial Lutheran Hospital, 9200 W. Wisconsin Ave., Milwaukee, WI 53226

#### SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
Diplomat of the American Board of Obstetrics and Gynecology	01/16/2015	None
Diplomat in Maternal Fetal Medicine	04/08/2016	None

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
	Indiana State License	2008	None
	Wisconsin State Licensure	2015	None

#### **AWARDS AND HONORS:**

- 2004 Sigma Sigma Phi, National Osteopathic Honor Society
- 2004 Margaret Aguwa Endowed Scholarship recognizing scholarship and community service, Michigan State University
- 2005 Kay E. White Scholarship recognizing scholarship and community service, Michigan State University
- 2006 Student D.O. of the Year, Michigan State University College of Osteopathic Medicine
- 2007 Judith K. Weiswasser Memorial Award, recognizing an outstanding female graduate, Michigan State University College of Osteopathic Medicine
- 2008 - 2011 4.0 Club Award for appreciation of student teaching, Indiana University School of Medicine Department of Obstetrics and Gynecology
- 2009 2nd Year Resident Teaching award (voted by the current OB/GYN interns), Indiana University School of Medicine
- 2009 Best Overall Resident Teacher, voted by the current 3rd year medical students of Indiana University School of Medicine to be 1 of 3 residents recognized among all residents in all specialties, Indiana University School of Medicine
- 2010 Resident's Day Research Award, 1st Place, Indiana University School of Medicine, Department of Obstetrics & Gynecology
- 2014 Excellence in Teaching Award for appreciation of student teaching, University of Oklahoma Department of Obstetrics and Gynecology
- 2015 Excellence in Teaching Award for appreciation of student teaching, University of Oklahoma Department of Obstetrics and Gynecology
- 2022 Excellent Educator Department of OB/GYN, Medical College of Wisconsin

#### **MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

- American Heart Association
- Society for Maternal Fetal Medicine
- The Microcirculatory Society
- American Physiological Society
- American College of Obstetricians and Gynecologists

#### **EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:**

- Editorial Board
  - 02/2019 - Present American Journal of Obstetrics and Gynecology-MFM
- Journal Review
  - 2011 - Present Journal of Maternal Fetal and Neonatal Medicine
  - 2013 - Present American Journal of Obstetrics and Gynecology
  - 2015 - Present Cochrane Review Pregnancy and Childbirth section
  - 07/2018 - Present Journal of the American Heart Association
  - 09/2018 - Present European Journal of Obstetrics & Gynecology and Reproductive Biology
  - 2018 - Present Plos One
  - 2019 - Present AJP-Heart and Circulatory Physiology
  - 2019 - Present American Journal of Perinatology
  - 12/2021 - Present ATVB
  - 04/2022 - Present Microcirculation

2023 - Present Science Translational Medicine

**LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

- 2003 - 2007 Class Officer, Class of 2007, Michigan State University College of Osteopathic Medicine
- 2008 - 2011 Co-director, Department of OB/GYN Residency Journal Club, Indiana University School of Medicine
- 2009 - 2010 OB/GYN Resident Representative, Housestaff Forum, Indiana University School of Medicine
- 2009 - 2011 Resident Representative, Duty Hours Subcommittee, Indiana University School of Medicine
- 2009 - 2010 Junior Fellow Vice-Chair, Indiana Section, American College of Obstetricians and Gynecologists
- 2010 - 2011 Resident Representative, Graduate Medical Education Committee, Indiana University School of Medicine
- 2010 - 2011 Junior Fellow Chair, Indiana Section, American College of Obstetricians and Gynecologists
- 2010 - 2011 Administrative Education Chief Resident, Indiana University School of Medicine, OB/GYN Department
- 2016 - Present Obstetric Leader, Maternal Research and Cord Blood Bank, Medical College of Wisconsin
- 2016 - Present Member, Tissue Bank Executive Committee, Medical College of Wisconsin
- 2017 - Present Member, OB/GYN Resident Research Committee, Medical College of Wisconsin Department of OB/GYN
- 2018 - 2021 Co-leader, Preeclampsia Group, Medical College of Wisconsin
- 07/01/2021 - 06/30/2024 Member, Research Affairs Committee, Medical College of Wisconsin
- 2022 - Present Member, Post-Dobbs Committee on Abortion Care, Medical College of Wisconsin

**NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

- 2006 - 2007 Treasurer, National Student Osteopathic Medical Association
- 2008 - 2009 Junior Fellow Secretary-Treasurer District V, American College of Obstetricians and Gynecologists
- 2014 - 2022 Committee Member, Education Committee, Perinatal Quality Foundation
- 2015 - 2017 Committee Member, Preterm Birth Toolkit, Society for Maternal Fetal Medicine
- 2017 - 2018 Committee Member, The Online Guidelines Committee, Society for Maternal Fetal Medicine
- 2018 - 2021 Committee Member, Education Committee, Society for Maternal Fetal Medicine
- 2020 - 2022 Treasurer, Executive Board, Perinatal Quality Foundation
- 2022 - Present Member, NIH Red-IV National Steering Committee, National Institutes of Health
- 2022 - 2024 Vice President, Executive Board, Perinatal Quality Foundation
- 2022 - Present Representative, State Liaison Network- Wisconsin, Society for Maternal Fetal Medicine

**RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:**

**Active**

**Peer Review**

- |                |   |
|----------------|---|
| Title:         | Novel role for placental endothelial mitochondria in preeclampsia                     |
| Source:        | NIH- NATIONAL HEART, LUNG, AND BLOOD INSTITUTE  |
| Role & Effort: | Principal Investigator  |
| PI:            | Jennifer McIntosh, DO, MS   |
| Dates:         | 12/17/2019 - 11/30/2024   |
|                |   |
| Title:         | Preconception To Toddler Study  |
| Source:        | Medical College of Wisconsin CTSI   |
| Role & Effort: | Co-Principal Investigator   |
| PI:            | Jennifer McIntosh, DO, MS, Justin Grobe, PhD, Jeff Segar, MD, and Nicole Lohr, MD PhD |
| Dates:         | 05/2021 - Present   |

**Prior**

**Peer Review**

Title: Use of Digital Multimedia to Enhance Prematurity Counseling  
Source: CHW Children's Research Institute  
Role & Effort: Co-Investigator  
PI: Mir Abdul  
Dates: 01/01/2017 - 12/31/2017

Title: Immune Cross-talk in Pregnancy and Preterm Birth  
Source: AHW-Research and Education Program  
Role & Effort: Co-Investigator  
PI: Rashmi Sood, PhD  
Dates: 01/01/2018 - 12/31/2020

Title: Premie Prep for Parents (P3) Mobile app: Home Antenatal Prematurity Education  
Source: NICHD  
Role & Effort: Co-investigator  
PI: Mir Abdul Basir, MD  
Dates: 01/01/2019 - 12/31/2020

Title: Effects of Preeclampsia and Preterm Birth on Maternal Endothelial Function  
Source: AHW-Research and Education Program: Clinical & Translational Science Institute (CTSI) Traditional Pilot Award  
Role & Effort: Co-Principal Investigator  
PI: Jacqueline Kulinski, MD Jennifer McIntosh, DO and Nicole Lohr, MD, PhD  
Dates: 05/2019 - 05/2021

**Non-Peer Review**

Title: Preterm Labor and Preterm Premature Rupture of Membranes: Maternal and Neonatal Outcomes  
Role & Effort: Junior Investigator  
PI: David Haas, MD & Alan Golichowski, MD  
Dates: 2008 - 2011

Title: Tocolytic Network Meta-analysis Project  
Role & Effort: Junior Investigator  
PI: David Haas, MD  
Dates: 2009 - 2011

Title: Characterization of progesterone & steroid metabolizing enzymes expression in human fetal membranes  
Role & Effort: Fellow Research Project  
PI: Dean Myers, PhD  
Dates: 2011 - 2014

Title: TTP in Pregnancy

Role & Effort:	Junior Investigator
PI:	James George, MD
Dates:	2012 - 2014
Title:	Thrombocytopenia in Pregnancy
Role & Effort:	Co-Investigator and Mentor
PI:	James George, MD and Jessica Reese, PhD
Dates:	2014 - 2019
Title:	Characterization of progesterone & steroid metabolizing enzymes expression in human fetal membranes
Source:	Women's Health Research Program, MCW
Role & Effort:	Principal Investigator
PI:	Jennifer McIntosh
Dates:	2015 - 2019

#### **INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**

##### **International**

Jennifer McIntosh, Impaired Placental Microvascular Function in Preeclampsia, Zooming in on Preeclampsia, Virtual, 04/12/2021

##### **National**

Jennifer McIntosh, Management of Patients at Risk for Pre-term Birth, Society for Maternal Fetal Medicine, Cervical Length Screening and Review (CLEAR) course, Atlanta, 02/03/2016

Jennifer McIntosh, Can She Go Home? Using Cervical Length to Triage Patients on Labor & Delivery, Society for Maternal Fetal Medicine, Cervical Length Screening and Review (CLEAR) course, Las Vegas, NV, 01/25/2017

Jennifer J McIntosh, How to Measure the Cervix, Cervical Length Screening and Review (CLEAR) course, Online Course, 2017 - 2020

McIntosh, Jennifer Jury, Feltovich, Helen, Why Measure the Cervix?, Society for Maternal Fetal Medicine, Cervical Length Screening and Review (CLEAR) course, Dallas, Texas, 01/30/2018

Loralei Thornburg and Jennifer McIntosh, What's the purpose of prenatal genetic screening and testing?", Podcast for Perinatal Quality Foundation NTQR Course, Online, 07/2019

Jennifer McIntosh, Why Measure the Cervix?, Online Lecture for the Perinatal Quality Foundation, Online, 05/2020

Jennifer McIntosh, From the Bedside to the Bench; Solving the Preeclampsia Problem, Carolinas Medical Center Department of OB/GYN Grand Rounds, Raleigh, North Carolina, 06/05/2020

Jennifer McIntosh, Impaired Placental Microvascular Function in Human Preeclampsia, The Microcirculatory Society Summer Seminar: The Role of Peripheral and Placental Vascular Function in Preeclampsia, Virtual, 08/04/2020

Jennifer McIntosh, DO, MS, Rare Maternal Vascular and Inflammatory Disorders in Pregnancy, Society for Maternal Fetal Medicine, Virtual, 02/01/2022

##### **Regional**

Jennifer McIntosh and Jacqueline Kulinski, Introduction & Guidelines: Women and Cardiovascular Disease, Unraveling the Secrets of Women's Cardiovascular Health, Virtual, 10/14/2021

##### **Local**

Jennifer McIntosh, Morbidity and Mortality of the Short Cervix, St. Joseph's Hospital OB M&M, West Bend, 02/22/2016

Jennifer McIntosh, Updates for the NIH Human Placenta Project, MCW Maternal Fetal Placental Meeting, MCW, 04/20/2016

Jennifer McIntosh, Optimizing Pregnancy Outcomes through Preconception Consultation and Appropriate

Contraceptive Counseling, MCW Women's Health Conference, Milwaukee, WI, 05/16/2016

Jennifer McIntosh, Review of Preterm Premature Rupture of Membranes, St Joseph's M&M, West Bend, WI, 10/10/2016

Jennifer McIntosh, Progesterone Metabolism for Preterm Birth Prevention, MCW Maternal Fetal Placental Group, MCW, 12/09/2016

Jennifer McIntosh, Acquired Thrombophilias, Medical College of Wisconsin OB/GYN Grand Rounds, Milwaukee, WI, 12/28/2016

Jennifer McIntosh, Characterization of Progesterone and Steroid Metabolizing Enzymes in Preterm Birth, Clinical and Translational Science Research Seminar, Medical College of Wisconsin, 04/13/2017

Jennifer McIntosh, Maternal Stroke During Pregnancy, St. Joseph's Hospital OB M&M, West Bend, WI, 06/01/2017

McIntosh, Brady G, McIntosh, Jennifer J, Trauma in Pregnancy, Emergency Medicine and Trauma Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, 12/2017

McIntosh, Jennifer, An Overview of Preeclampsia, Preeclampsia Work Group, Medical College of Wisconsin, Milwaukee, WI, 01/11/2018

Jennifer McIntosh, Review of Intrauterine Growth Restriction, St. Joseph's Hospital OB M&M, West Bend, WI, 04/26/2018

Jennifer McIntosh, International Health Panel, Obstetrics and Gynecology Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, 11/21/2018

Jennifer McIntosh, Brady McIntosh, Work Life Balance, CTSI Clinical and Translational Research Scholars Program, Medical College of Wisconsin, Milwaukee, WI, 01/08/2019

Jennifer McIntosh, Preventing Maternal Morbidity and Mortality; A Summary of New Legislation and Its Impact, St Joseph's Hospital OB M&M, West Bend, WI, 01/19/2019

Jennifer McIntosh, Placental Endothelial Mitochondrial Function in Preeclampsia, MCW Cardiovascular Center- ATVB Series, Medical College of Wisconsin, Milwaukee, WI, 02/18/2019

Jennifer McIntosh, Novel Role for Placental Endothelial Mitochondria in Preeclampsia, Women's Health Research Program, Medical College of Wisconsin, Milwaukee, WI, 05/19/2019

Jennifer McIntosh, Physiology of Pregnancy and Parturition, Medical College of Wisconsin Department of OB/GYN Resident Education, Medical College of Wisconsin, Milwaukee, WI, 08/2019

Jennifer McIntosh, Pathogenesis of Preeclampsia, Medical College of Wisconsin Cardiovascular Center Retreat, Medical College of Wisconsin, Milwaukee, WI, 10/18/2019

Jennifer McIntosh, Novel Role for Placental Endothelial Mitochondria in Preeclampsia, Medical College of Wisconsin Department of OB/GYN Retreat, Medical College of Wisconsin, Milwaukee, WI, 11/06/2019

Jennifer McIntosh, The Placenta and Decidua, Medical College of Wisconsin MFM Fellow Lecture Series, Medical College of Wisconsin, Milwaukee, WI, 04/01/2020

Jennifer McIntosh, Juliana Perez-Botero, Blood, Sweat and Tears--The Challenges of Hematologic Disorders in Pregnancy, Medical College of Wisconsin Department of Medicine Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, 05/01/2020

Jennifer McIntosh, The Pancreas in Pregnancy, Medical College of Wisconsin MFM Fellow Lecture Series, Medical College of Wisconsin, Milwaukee, WI, 05/13/2020

Jennifer J. McIntosh and Juliana Perez-Botero, Blood, Sweat and Tears--The Challenges of Hematologic Disorders in Pregnancy, Medical College of Wisconsin Department of Obstetrics and Gynecology Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, 07/22/2020

Jennifer J. McIntosh, Physiology of Pregnancy and Parturition, Medical College of Wisconsin Resident Education Series, Medical College of Wisconsin, Milwaukee, WI, 08/2020

Jennifer J. McIntosh, From the Bedside to the Bench; Solving the Preeclampsia Problem, Physiology Departmental Seminar, Medical College of Wisconsin, Milwaukee, WI, 09/16/2020

Jennifer McIntosh, Hypertensive Emergencies in Pregnancy for the ED Physician, Medical College of Wisconsin Emergency Medicine Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, 01/21/2021

Jennifer McIntosh, Cervical Length Evaluation, Medical College of Wisconsin MFM Fellow Lecture Series, Medical College of Wisconsin, Milwaukee, Wisconsin, 02/03/2021

Jennifer McIntosh, Brady McIntosh, Trauma in Pregnancy, Medical College of Wisconsin MFM Fellow Lecture Series, Medical College of Wisconsin, Milwaukee, WI, 03/03/2021

Jennifer McIntosh, Hormones of the Placenta and Decidua, Medical College of Wisconsin MFM Fellow Lecture Series, Medical College of Wisconsin, Milwaukee, WI, 05/12/2021

Jennifer McIntosh, Vascular Dysfunction in Preeclampsia--Pathways Forward, Medical College of Wisconsin Cardiovascular Center ATVB Meeting, Medical College of Wisconsin, Milwaukee, WI, 06/21/2021

Jennifer McIntosh, Antiphospholipid Syndrome in Pregnancy, Department of OB/GYN Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, 09/22/2021

Jennifer McIntosh, Rare Vascular and Inflammatory Disorders in Pregnancy, Department of OB/GYN Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, 02/23/2022

Jennifer Jury McIntosh, The science behind cardiovascular health and pregnancy including misconceptions, risks and prevention, Medical College of Wisconsin Coffee Conversations with Scientists, Milwaukee, WI, 06/28/2022

Linton, Dielentheis, Farez, McIntosh, Post-Roe Implications for Practice, Division of Hematology/Oncology Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, 08/11/2022

Jennifer Jury McIntosh, Allie Linton, Kathy King, Reproductive Health Care: the future of Abortion in Wisconsin, Medical College of Wisconsin Word on Medicine, Milwaukee, WI, 09/10/2022

Jennifer Jury McIntosh, Endothelial Dysfunction in Placental Microvessels in Preeclampsia, Department of Obstetrics and Gynecology Retreat, Medical College of Wisconsin, Milwaukee, WI, 11/14/2022

Jennifer Jury McIntosh et al., Women's Cardiovascular Health, Medical College of Wisconsin Word on Medicine, Milwaukee, WI, 05/13/2023

Jennifer Jury McIntosh, Evidence for and against Magnesium for Neuroprotection, Medical College of Wisconsin MFM Fellow Lecture Series, Medical College of Wisconsin, Milwaukee, WI, 06/14/2023

#### **PEER REVIEWED WORKSHOPS/PRESENTATIONS:**

##### **International**

Haas, D., Kirkpatrick, P., Jury, J., Caldwell, D, Assessing the quality of the evidence for preterm labor tocolysis trials., Poster at the Cochrane and Campbell Colloquium, 10/2013

Reese, Jessica, David Deschamps, Jennifer McIntosh, Jennifer Peck, Zhongxin Yu, Teresa Scordino, Sara Vesely, Eric Knudtson, and James George., Platelet Concentration in the Placental Maternal Intervillous Space., Poster at Society for Reproductive Investigation Meeting, Montreal, 03/2016

Rappelt, Matthew, Ait-Assa, Karima, Schulz, Mary, Gutterman, David, Beyer, Andreas, McIntosh, Jennifer, Contribution of Placental Mitochondrial Damage to Preeclampsia, Poster at Society for Reproductive Investigation Meeting, San Diego, CA, 04/2018

McIntosh, Jennifer, Schneider, Ellen, Patton, Mollie, Thom, Monica, Rau, Mary, Improving Placental Banking, Poster at Society for Reproductive Investigation Meeting, San Diego, CA, 04/2018

Schneider, Ellen A., Patton, Mollie, McIntosh, Jennifer J., Pan, Amy., Effect of -80 C Storage on RNA from Snap Frozen Placental Tissue, Poster at the International Society for Biological and Environmental Repositories, Shanghai, China, 05/07/2019

R. Harrison, Z. Colvin, J. McIntosh, The Effect of Maternal Anemia on Maternal Outcomes in the United States, Poster at Society for Reproductive Investigation, Vancouver, BC (COVID-19 prevented conference), 03/2020

R. Harrison, Z. Colvin, J. McIntosh, The Effect of Maternal Anemia on Neonatal Outcomes in the United States, Poster at Society for Reproductive Investigation, Vancouver, BC (COVID-19 prevented conference), 03/2020

##### **National**

Jury, Jennifer L, Rosenman, Marc, Wang, Jane, Golichowski, Alan, Hathaway, Jon, Haas, David M., Chorioamnionitis in Patients with Preterm Labor and Preterm Premature Rupture of Membranes: Assessing Maternal and Neonatal Outcomes, Poster at the Society for Maternal Fetal Medicine, San Francisco, 02/2010

Jennifer Jury McIntosh, D.O., Eric J. Knudtson, M.D., Kimberly E. Hyatt, B.S., Dean A. Myers, Ph.D., Synthetic Progestins, Medroxyprogesterone Acetate, 17 $\beta$  Hydroxyprogesterone Acetate and 17 $\beta$  Hydroxyprogesterone Caproate Inhibit Progesterone Metabolism in Human Cervical Fibroblasts., Oral Presentation at the Society for Gynecologic Investigation, San Diego, 03/2012

Jennifer Jury McIntosh, D.O., Eric J. Knudtson, M.D., A Case of Severe Hypercalcemic Pancreatitis, Oral Presentation at the Critical Care Symposium at the Society for Maternal Fetal Medicine, San Francisco, 02/2013

Jennifer Jury McIntosh, D.O., Eric J. Knudtson, M.D., Daniel L. Jackson, M.D., Kimberly E. Hyatt, B.S., Dean A. Myers, Ph.D., Characterization of 20 $\beta$  reductases and 5 $\beta$  reductase enzyme expression in

- human fetal membranes., Poster Presentation at the Society for Maternal Fetal Medicine, San Francisco, 02/2013
- Jennifer Jury McIntosh, D.O., Yang Jiang, James N. George, M.D., Deidre Terrell, Ph.D., Sara Vesely, Ph.D., Eric J. Knudtson, M.D., Pregnancy outcomes following recovery from acquired thrombotic thrombocytopenic purpura., Oral Presentation at the Society for Maternal Fetal Medicine, New Orleans, 02/2014
- Ciara Johnson, Daniel Jackson, David R. Deschamps, Eric Knudtson, Ravindu Gunatilake, Marvin Williams, Asal Fathian, Jennifer J. McIntosh, Intramuscular 17-hydroxyprogesterone caproate vs vaginal progesterone in women with a history of spontaneous preterm birth: a retrospective cohort study, Poster at the American Medical Women's Association Centennial Meeting, Chicago, IL, 05/2015
- George, J., Nester, C., McIntosh, J, Syndromes of thrombotic microangiopathy associated with pregnancy, Oral Presentation at the American Society of Hematology, 12/04/2015
- E Navarrete BS, J McIntosh DO, K Ahn PhD, M Nugent MA, P Simpson PhD, M Cruz MPH MD, Comparison of Transvaginal Cervical Length Measurement Techniques., Poster at American Institute of Ultrasound in Medicine, Orlando, Florida, 03/2017
- Anna McCormick DO, Judith Hibbard MD, Weihua Gao MS, Jennifer McIntosh DO MS, Meredith Cruz MD, MPH, Fetal Anomalies and Labor Complications, American Congress of Obstetricians and Gynecologists Annual Meeting, San Diego, CA, 05/2017
- Jennifer McIntosh DO, MS, Jessica Reese PhD, David Deschamps MD, Jennifer Peck PhD, Sara Vesely PhD, Deirdra Terrell PhD, James George MD, Defining gestational thrombocytopenia, Oral Presentation at the Society for Maternal Fetal Medicine, Dallas, Texas, 02/02/2018
- Katherine Miller, Jennifer McIntosh, Anna McCormick, Weihua Gao, Judith Hibbard, Meredith Cruz, The effect of stillbirth on contemporary labor patterns, Society for Maternal Fetal Medicine, Dallas, TX, 02/2018
- McCormick AC, McIntosh JJ, Gao W, Hibbard JU, Cruz MO., The Impact of Fetal Anomalies on Contemporary Labor Patterns, Society for Maternal Fetal Medicine, Dallas, TX, 02/2018
- Lang-Piette, Janelle, McIntosh, Jennifer, Rau, Mary, Patton, Mollie, Schneider, Ellen, Dawson, Allison, Kirkpatrick, Jason, Thom, Monica, Suster, Saul., Building a Bank for the Future: Developing the Maternal Research Placenta & Cord Blood Bank at Freodtert and the Medical College of Wisconsin With Expansion to St. Joseph's Hospital of West Bend, WI, Cord Blood Connect Conference, Miami, FL, 09/14/2018
- Anna McCormick, Jasmin Kristianto, Xiaohu Wang, Judith Hibbard, Jennifer McIntosh, Meredith Cruz, Robert Blank, Preeclampsia is characterized by decreased expression of endothelin converting enzyme-1 in the placenta, Society for Maternal Fetal Medicine, Las Vegas, NV, 02/2019
- Matthew W. Rappelt, Alexa Derayunan, Rafael Toro, Laura Norwood Toro, Karima Ait-Aissa, Mary Schulz, Blake Hill, Andreas Beyer, David Gutterman, Jennifer McIntosh, Placental Mitochondrial Dysfunction and the Pathogenesis of Preeclampsia, Vasculata 2019, North American Vascular Biology Association, Milwaukee, WI, 07/2019
- Matthew Rappelt, Andreas Beyer, David Gutterman, Laura Norwood Toro, Alexa Derayunan, Jennifer McIntosh, A Novel Mechanism for the Pathogenesis of Preeclampsia: Cell-free Mitochondrial DNA Mediated Toll Like Receptor 9 activation, American Heart Association Hypertension Scientific Session, New Orleans, LA, 09/05/2019
- Jennifer McIntosh, Matthew W. Rappelt, Alexa Derayunan, Andreas M. Beyer, David Gutterman, MD3,4, A Novel Mechanism for the Pathogenesis of Preeclampsia: Cell-free Mitochondrial DNA Mediated Toll Like Receptor 9 activation, NHLBI Mitochondrial Biology Symposium, Bethesda, MD, 09/2019
- Lorraine Dugoff, Howard Cuckle, Lawrence D. Platt, Karin Fuchs, Jennifer McIntosh, Gregory J. Toland, Bryann Bromley, Lorelei L. Thornburg, Do maternal characteristics affect nuchal translucency variation?: Analysis of five million cases from NTQR Program, Society for Maternal Fetal Medicine Meeting, Dallas, Tx, 02/2020
- Lorelei L. Thornburg, Lawrence D. Platt, Gregory J. Toland, Lorraine Dugoff, Jennifer McIntosh, Karin Fuchs, Mary E. Norton, Bryann Bromley, Does maternal age impact nuchal translucency utilization since the introduction of cell-free DNA, Society for Maternal Fetal Medicine Meeting, Dallas, TX, 02/2020
- Elizabeth Westen, Ashley Hesson, Gregory J. Toland, Bryann Bromley, Lawrence D. Platt, Lorelei L. Thornburg, Jennifer McIntosh, Obesity and Nuchal Translucency Measurement: Do we under call abnormal?, Society for Maternal Fetal Medicine Meeting, Dallas, TX, 02/2020
- Lorelei L. Thornburg, Bryann Bromley, Lawrence D. Platt, Lorraine Dugoff, Karin Fuchs, Gregory J. Toland,



- Jennifer McIntosh, Howard Cuckle, Do provider characteristics affect nuchal translucency variation? Nuchal Translucency Quality Review program: 5 million results, Society for Maternal Fetal Medicine Meeting, Dallas, TX, 02/2020
- Jennifer Jury McIntosh, Alexa Derayunan, Shelby Hader, Nicole Lohr, Andreas Beyer, David Gutterman, Impaired Microvascular Endothelial Function in Preeclampsia, Experimental Biology Meeting, San Diego, CA (COVID-19 prevented this conference), 04/2020
- S. Hader, L. E. Norwood Toro, D. Didier, J. J. McIntosh, J. K. Freed, A. Kong, and A. M. Beyer, Effects of Anti-Cancer Therapy on Human Microvascular Function - a Longitudinal Study, Experimental Biology Meeting, San Diego, CA (COVID-19 prevented Conference), 04/2020
- Microvascular Endothelial Function in the Human Placenta, Microvascular Endothelial Function in the Human Placenta, American Heart Association Vascular Discovery Meeting, Chicago, IL (COVID-19 prevented conference), 05/2020
- Opichka MA, Livergood CM, Sigmund CD, McIntosh JJ, Grobe JL, Gq signaling in the placental syncytiotrophoblast layer during preeclampsia, Poster at American Heart Association Council on Hypertension., Virtual, 09/2021
- Mary Christine Livergood, Javier Gomez, Megan A. Opichka, Justin L. Grobe, Jennifer J. McIntosh, Curt D. Sigmund, RhoBTB1 is Expressed in Placental Syncytiotrophoblast Cells, American Heart Association Council on Hypertension, Virtual, 09/2021
- Christine Livergood, MD and Jennifer McIntosh, DO, MS, Can't stop the clot, Oral Presentation at the Society for Maternal Fetal Medicine, Virtual, 02/01/2022
- Mir A. Basir, Siobhan M. McDonnell, Sheikh I. Ahamed, Ruta Brazauskas, Jennifer J. McIntosh, Michael B. Pitt, U. Olivia Kim, Kris Barnekow, Kathryn E. Flynn, Mobile Prenatal Education for Preterm Birth: A Randomized Trial, Oral Presentation at PAS Meeting, Denver, Colorado, 04/25/2022
- Opichka MA, Livergood CM, Sigmund CD, McIntosh JJ, Grobe JL, Gq signaling in the placental syncytiotrophoblast layer during preeclampsia, Oral Presentation at Experimental Biology Annual Meeting, Philadelphia, PA, 04/2022
- Opichka MA, Livergood CM, Gibson-Corley KN, Fogo AB, Kwitek AE, Sigmund CD, McIntosh JJ, Grobe JL, Mitoquinone reduces preeclamptic phenotypes associated with syncytiotrophoblast-specific Gq signaling, Oral Presentation at American Heart Association Hypertension Scientific Session, San Diego, CA, 09/2022
- Kaleigh Kozak, Alexa Derayunan, Rosinda De La Pena, Andreas M Beyer, David D Gutterman and Jennifer McIntosh, Mitotempol Restores Endothelial Dysfunction In Placental Arterioles In Preeclampsia, Oral Presentation at American Heart Association Hypertension Scientific Session, San Diego, CA, 09/2022
- Rosinda De La Pena, MD, Kaleigh Kozak, BS, David D. Gutterman, MD, Curt D. Sigmund PhD, Jennifer J. McIntosh, DO MS, Creating the Phenotype of Preeclamptic Endothelial Dysfunction in Placental Vessels, Oral Presentation at the American Physiological Society, Long Beach, CA, 04/2023
- Megan A. Opichka, M. Christine Livergood, Daniel T. Brozoski, Agnes B. Fogo, Katherine N. Gibson-Corley, Anne E. Kwitek, Curt D. Sigmund, Jennifer J. McIntosh, Justin L. Grobe, Mitochondrial-targeted antioxidant attenuates preeclampsia-like phenotypes induced by syncytiotrophoblast-specific Gq signaling, Oral Presentation at the American Physiological Society, Long Beach, CA, 04/2023

### **Regional**

- Erwin Cabacungan, MD, MPH; Sarah Mess, MSN, CNM, IBCLC; Staci Bohling, RN, BSN; Leah Witte, RN, BSN; Kristin Ahrens, RN, BSN, IBCLC; Pamela Johnston, RN, BSN; Gina Hirt, RN, IBCLC; Jennifer McIntosh, DO, MS, Increasing Exclusive Breast Milk Feeding Rates at Two Community Hospitals, Oral Presentation at Wisconsin Association for Perinatal Care, Virtual, 04/29/2022

### **Local**

- Matthew Rappelt, Andreas Beyer, David Gutterman, Laura Norwood Toro, Alexa Derayunan, Jennifer McIntosh, Placental Mitochondrial Dysfunction and the Pathogenesis of Preeclampsia, Poster at the Medical College of Wisconsin Cardiovascular Center Retreat, Milwaukee, WI, 10/2019
- Sarah Evans, MD, Jennifer McIntosh, DO, MS, Evaluating the impact of an electronic medical record-based tool on rate of follow-up for postpartum blood pressure management, Poster at the Medical College of Wisconsin Cardiovascular Center Retreat, Milwaukee, WI, 12/08/2021
- Opichka MA, Livergood CM, Gibson-Corley KN, Fogo AB, Kwitek AE, Sigmund CD, McIntosh JJ, Grobe JL., Mitoquinone reduces preeclamptic phenotypes associated with syncytiotrophoblast-specific Gq signaling, Poster at the Medical College of Wisconsin Cardiovascular Center Retreat, Milwaukee, WI,

10/21/2022

Kaleigh Kozak, Alexa Derayunan, Rosinda De La Pena, Andreas M Beyer, David D Gutterman and Jennifer McIntosh, Mitotempol Restores Endothelial Dysfunction In Placental Arterioles In Preeclampsia, Poster at the Medical College of Wisconsin Cardiovascular Center Retreat, Milwaukee, WI, 10/21/2022

Rosinda De La Pena, MD, Kaleigh Kozak, BS, David D. Gutterman, MD, Curt D. Sigmund PhD, Jennifer J. McIntosh, DO MS, The Role of TLR9 in Placental Microvessels in Preeclampsia, Poster at the Medical College of Wisconsin Cardiovascular Center Retreat, Milwaukee, WI, 10/21/2022

#### **COMMITTEE SERVICE:**

##### **Medical College of Wisconsin**

2015 - 2017 Co-Leader, Maternal Fetal Placenta Group, Medical College of Wisconsin

2015 - 2016 Member, Breastfeeding Symposium Planning Committee, Obstetrics & Gynecology, Medical College of Wisconsin

2016 - 2018 Member, Institutional Review Board #4, Medical College of Wisconsin

2016 - Present Member, Tissue Bank Executive Committee, Medical College of Wisconsin

2017 - Present Member, Resident Research Committee, Obstetrics & Gynecology, Medical College of Wisconsin

2017 - Present Leader, Preeclampsia Working Group, Cardiovascular Center, Medical College of Wisconsin

07/01/2021 - Present Member, Research Affairs Committee, Medical College of Wisconsin

#### **MCW TEACHING ACTIVITIES:**

##### **Medical Student Education**

2015 - Present Clinical Skills Teaching: the pelvic exam

2015 - Present Lecture: Hypertension in Pregnancy; given on a recurring basis throughout the year to clerkship students

2015 - Present Clinical Apprenticeship Mentor: on average 5 clerkship students per year

03/31/2020 Lecture: TORCH Infections in Pregnancy

##### **Resident and Fellow Education**

07/15/2015 Lecture: Normal cardiovascular function during pregnancy

12/16/2015 Lecture: Anti-Phospholipid Antibody Syndrome

08/10/2016 Lecture: How to Measure the Cervix

10/26/2016 Lecture: Hormones of the Placenta and Decidua

01/04/2017 Lecture: Magnesium for Neuroprotection

06/2017 Board Review for Graduating Residents: Thyroid Disorders and Thrombophilias in Pregnancy

04/04/2018 Lecture: What's Wrong with this Cervix? Image Review

05/19/2018 Lecture: Trauma in Pregnancy

09/19/2018 - 09/26/2018 Lecture Series on Professionalism

04/04/2019 Lecture: Fetal Monitoring

05/08/2019 Lecture: Evidence Based Cerclage

02/25/2020 Cerclage Simulation Session: Developed a model for residents to practice cerclage placement and staffed the teaching session.

04/17/2020 - 05/22/2020 Landmark Obstetrics Journal Club- 6 weekly sessions. Presented and/or mentored residents who presented and moderated these sessions.

#### **PROGRAMMATIC DEVELOPMENTS:**

##### **Research Programs**

2015 - Present Led the expansion of the Maternal Research, Placenta, and Cord Blood Bank so that it could meet the needs of researchers on campus by procuring specimens in a timely fashion.

## **COMMUNITY SERVICE ACTIVITIES:**

06/2020 - 01/2022 Shorewood School District COVID-19 Reopening Committee. I served as on the Health and Safety section of this committee to help ensure a safe return to school for teachers and students. We met weekly for 2 months and now meet as needed 1-2 times per month.

## **ON-GOING EDUCATION:**

2013 25th Annual NICHD Conference on Maternal-Fetal-Neonatal-Reproductive Medicine: selected participant at training conference to facilitate interest and further train academic physician scientists.

2013 Excellence in Clinical Research Course: intensive course in research methods and evidence based medicine

09/2015 - 06/2017 Medical College of Wisconsin Clinical Research Scholars Program- 2 year research program aimed to teach and mentor junior faculty members along their research career.

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### **Refereed Journal Publications/Original Papers**

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2. Haas DM, Caldwell DM, Kirkpatrick P, McIntosh JJ, Welton NJ. Tocolytic therapy for preterm delivery: systematic review and network meta-analysis. *BMJ*. 2012 Oct 09;345:e6226. PMID: PMC4688428
3. Haas DM, Kirkpatrick P, McIntosh JJ, Caldwell DM. Assessing the quality of evidence for preterm labor tocolytic trials. *J Matern Fetal Neonatal Med*. 2012 Sep;25(9):1646-52.
4. McIntosh JJ, McHugh K, Haas DM. Difficulties in establishing routine amniocentesis for preterm labor evaluation. *J Matern Fetal Neonatal Med*. 2012 Mar;25(3):313-4.
5. George JN, Nester CM, McIntosh JJ. Syndromes of thrombotic microangiopathy associated with pregnancy. *Hematology Am Soc Hematol Educ Program*. 2015;2015:644-8.
6. McIntosh J, Lauer J, Gunatilake R, Knudtson E. Multiple myeloma presenting as hypercalcemic pancreatitis during pregnancy. *Obstet Gynecol*. 2014 Aug;124(2 Pt 2 Suppl 1):461-463.
7. Society for Maternal-Fetal Medicine (SMFM). Electronic address: pubs@smfm.org, McIntosh J, Feltovich H, Berghella V, Manuck T. The role of routine cervical length screening in selected high- and low-risk women for preterm birth prevention. *Am J Obstet Gynecol*. 2016 Sep;215(3):B2-7.
8. Reese JA, Peck JD, McIntosh JJ, Vesely SK, George JN. Platelet counts in women with normal pregnancies: A systematic review. *Am J Hematol*. 2017 Nov;92(11):1224-1232.
9. Ayanambakkam A, Owens KC, McIntosh JJ, Nester CM, George JN. A postpartum perfect storm. *Am J Hematol*. 2017 Oct;92(10):1105-1110.
10. Jennifer J. McIntosh, Jessica Reese, David Deschamps, Jennifer Peck, Sara Vesely, Deirdra Terrell, James George. 69: Defining gestational thrombocytopenia *American Journal of Obstetrics and Gynecology*. <https://doi.org/10.1016/J.AJOG.2017.10.480>.
11. Reese JA, Peck JD, Deschamps DR, McIntosh JJ, Knudtson EJ, Terrell DR, Vesely SK, George JN. Platelet Counts during Pregnancy. *N Engl J Med*. 2018 Jul 05;379(1):32-43. PMID: PMC6049077
12. James N George, MD, Jennifer J McIntosh, DO, MS. Thrombocytopenia in pregnancy *UptoDate*. .
13. Reese JA, Peck JD, Yu Z, Scordino TA, Deschamps DR, McIntosh JJ, Terrell DR, Vesely SK, George JN. Platelet sequestration and consumption in the placental intervillous space contribute to lower platelet counts during pregnancy. *Am J Hematol*. 2019 Jan;94(1):E8-E11. PMID: PMC6447301
14. George JN, McIntosh JJ, Reese JA. Platelet Counts during Pregnancy. *N Engl J Med*. 2018 Oct 18;379(16):1581-1582.
15. McCormick AC, McIntosh JJ, Gao W, Hibbard JU, Cruz MO. The Impact of Fetal Anomalies on Contemporary Labor Patterns. *Am J Perinatol*. 2019 Dec;36(14):1423-1430. PMID: PMC7539907
16. McIntosh J, Feltovich H, Berghella V, Manuck T. Routine cervical length screening to prevent PTB: Answers to frequently asked questions about when to perform CL measurement *Contemporary Ob/Gyn*. 2016;61(4):40-46.
17. McIntosh JJ. Corticosteroid Guidance for Pregnancy during COVID-19 Pandemic. *Am J Perinatol*. 2020 Jun;37(8):809-812. PMID: PMC7356057

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### **Books, Chapters, and Reviews**

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