CURRICULUM VITAE

PERSONAL DATA:

NAME	Melissa Jane Gregory

EDUCATION:

HIGH SCHOOL Dearborn, MI	Dearborn High School	HS	06/1979
UNDERGRADUATE Ann Arbor, MI Major Field: English	University of Michigan (1979-88)	BA	06/1988
PROFESSIONAL Ann Arbor, MI	University of Michigan (1984-88)	MD	05/1988

POSTGRADUATE TRAINING

Internship in Pediatrics C.S. Mott Children's Hospital Ann Arbor, MI		07/1988-06/1989
Residency in Pediatrics C.S. Mott Children's Hospital Ann Arbor, MI		07/1989-06/1991
Research Fellowship LBS, LI, NIAID National Institutes of Health Bethesda, MD	Pediatric Scientist Development Program	07/1991-06/1993
Clinical Nephrology Fellowship C.S. Mott Children's Hospital Ann Arbor, MI		07/1993-06/1994

ACADEMIC APPOINTMENTS

University of Rochester Rochester, NY USA	Senior Instructor	09/1994-05/1996
Assistant Professor		06/1996-06/2000
University of Michigan Ann Arbor, MI USA	Clinical Assistant Professor II	08/2000-01/2003
Children's Hospital of Michigan Detroit, MI USA	Associate Professor	01/2011-present

CLINICAL/HOSPITAL APPOINTMENTS

Strong Memorial Hospital	Head of Pediatric Dialysis	09/1994-06/2000
C.S. Mott Children's Hospital	Director, Pediatric Dialysis Unit	08/2000-01/2003
	Director, Pediatric Hypertension Service	08/2000-01/2003
	Clinical Director, Pediatric Nephrology	09/2001-01/2003
St. Joseph Mercy Hospital	Pediatric Hospitalist	02/2003-12/2004 06/2010-01/2016
St. Joseph Mercy Hospital	Staff Physician	02/2003-present
Nephrology Associates of Michigan	Physician	09/2003-05/2009
Pediatric Nephrology Associates of MI	Physician	05/2009-01/2011
Allegiance Hospital	Pediatric Hospitalist	10/2010-01/2016
University Physicians	Pediatric Nephrologist	01/2011-present
Detroit Medical Center	Pediatric Nephrologist	01/2011-present

SCIENTIFIC ACTIVITIES

GRANT SUPPORT

Morbidity in Pediatric Peritoneal Dialysis Patients Principal Investigator: Melissa J. Gregory, M.D. Strong Children's Research Center	7/1/98-9/01/00	$12,150
Cardiac Abnormalities in Children on Dialysis Principal Investigator, Melissa J. Gregory, M.D. Renal Research Institute	12/2002-12/2003	$40,000

CERTIFICATION AND LICENSURE

Certifications

National Board of Medical Examiners	1989
Diplomate American Board of Pediatrics	10/1991
Recertification	12/2015
American Board of Pediatrics, subboard of Pediatric Nephrology	08/1995
Recertification	09/2012
Neonatal Resuscitation Program	03/2014
Pediatric Advanced Life Support	03/2014

HONORS AND AWARDS

Phi Beta Kappa	1984
Pediatric Scientist Training Award	1991
Wayne State University School of Medicine, Excellence in Teaching Award	2020
Top Docs	2021

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

1996-2002	International Society for Peritoneal Dialysis
1995-2002	National Kidney Foundation
1994-2003	American Society of Nephrology
1994-2002	North American Pediatric Renal Transplant Cooperative Study
1994-present	International Pediatric Nephrology Association
1994-present	International Society of Nephrology
1992-present	American Pediatric Nephrology Association
2017-present	American Academy of Pediatrics

SERVICE

DEPARTMENTAL

Program Evaluation Committee Department of Pediatric Nephrology and Hypertension, Children's Hospital of Michigan	2019-present
Scholarship Oversight Committee Department of Pediatric Nephrology and Hypertension, Children's Hospital of Michigan	2020-present
CMU Pediatric IRB	9/2021-present

PROFESSIONAL

Ad hoc reviewer	American Journal of Kidney disease	01/1995-06/2000
	Peritoneal Dialysis International	01/1995-06/2000
	Kidney International	01/1995-06/2000
	Pediatric Nephrology	01/1995-06/2000

COMMUNITY

National Kidney Foundation of Michigan Scientific Advisory Committee 2018-present
ASPN Global Health Committee 2019-present

TEACHING ACTIVITIES

"Diagnostic Imaging in the Evaluation of Hematuria and Proteinuria," Continuing medical education program, Strong Memorial Hospital, Rochester, NY April 17, 1996.

"Evaluation of First UTI," Continuing medical education program, 7TH Annual Update in the Upstate, Rochester, NY, 09/26/ 1996.

"The Many Faces of Chronic Renal Disease," Pediatric Grand Rounds, Strong Memorial Hospital, Rochester, NY, 01/08/1997.

"The ABC's of UTI evaluation," Pediatric Grand Rounds, Rochester General Hospital, Rochester, NY, 10/07/1997.

"Management of Urinary Tract Infection in Pediatrics," Pediatric Grand Rounds, Strong Memorial Hospital, Rochester, NY, 03/11/1998.

"Evaluation of First UTI," invited speaker, 3rd Annual Dr. and Mrs. John Burns Memorial Pediatric Teaching Day, Lourdes Hospital, Binghamton, NY, 05/13/1998.

"Screening Urinalysis. When to do them and what to do with them when they're done," invited speaker, 4th Annual Dr. and Mrs. John Burns Memorial Pediatric Teaching Day Lourdes Hospital, Binghamton, NY. 05/26/1999.

"Pediatric Hypertension: New Definitions, New Methods, New Therapy," Pediatric Grand Rounds Strong Memorial Hospital, Rochester, NY, 11/11/1999.

"The Many Faces of Chronic Renal Disease," Pediatric Grand Rounds, Hurley Hospital, Flint, MI, 11/14/2001.

"The Many Faces of Chronic Renal Disease," Pediatric Grand Rounds, Bronson Hospital, Kalamazoo, MI, 04/05/2001.

“Hypernatremic Dehydration.” Pediatric Grand Rounds, St. Joseph Mercy Hospital. Ann Arbor, MI. 01/21/03.

“Evaluation of Hematuria and Proteinuria.” Pediatric Grand Rounds, St. Joseph Mercy Hospital, Ann Arbor, MI. 04/15/03.

“Evaluation of Antenatal Hydronephrosis.” Pediatric Grand Rounds, St. Joseph Mercy Hospital, Ann Arbor, MI 09/2007

‘Controversies in the Treatment of Vesicoureteral Reflux’ Pediatric Grand Rounds, Covenant Hospital, Saginaw, MI 11/2008

‘Controversies in the Treatment of Vesicoureteral Reflux’ Pediatric Grand Rounds, St. Joseph Mercy Hospital, Ann Arbor, MI 06/2009

'Diagnosis, Treatment & Management of UTI' Pediatric Residents Lecture 10/02/2014

'Diagnosis, Treatment & Management of UTI' Pediatric Grand Rounds, Hurley Hospital, Flint MI 11/11/2014

'Voiding Dysfunction in Children' Pediatric Grand Rounds, Children's Hospital of Michigan, Detroit, MI 01/23/2015

'Renal Emergencies.' Emergency Medicine Residents, Children's Hospital of Michigan, Detroit, MI 12/13/2016

'Acute Kidney Injury' Emergency Medicine Residents Lecture Children's Hospital of Michigan, Detroit, MI 02/10/2017

'Disturbance in Salt and Water' Pediatric Residents Lecture, Children's Hospital of Michigan, Detroit, MI 05/12/2017

'Chronic Kidney Disease in Children' Pediatric Nephrology Fellows, Children's Hospital of Michigan, Detroit, MI 06/29/2018

'Congenital Kidney Disease' Pediatric Residents Lecture, Children's Hospital of Michigan, Detroit, MI 03/20/2019

'Chronic Kidney Disease in Chilren' Pediatric Grand Rounds, Children's Hospital of Michigan, Detroit, MI 04/05/2019

'Nutrition in Chronic Kidney Disease' Pediatric Nephrology Fellow Lecture, Children's Hospital of Michigan, Detroit, MI 10/11/2019

'Chronic Kidney Disease in Children' Pediatric Nephrology Fellow Lecture, Children's Hospital of Michigan, Detroit, MI 03/13/2020

'Evaluation of Hematuria in Children' Emergency Medicine Residents Lecture, Children's Hospital of Michigan, Detroit, MI 04/22/2020

'Renal Complications of Tuberous Sclerosis Complex' Pediatric Grand Rounds Children's Hospital of Michigan, Detroit, MI 07/31/2020

'Chronic Kidney Disease in Children' Pediatric Resident Lecture Children's Hospital of Michigan, Detroit, MI 09/21/2020

'Glomerulonephritis: Identification, Treatment, Prognosis' Nephrology Fellow Lecture Children's Hospital of Michigan, Detroit, MI 04/27/2021

OTHER PRESENTATIONS

"Growth and allograft function in pediatric renal transplantation: impact of alternate day steroids." Presented at the 27th Annual Meeting and Exposition of the American Society of Nephrology, Orlando, FL October 1994.

"Adaptation of standard hemodialysis for the treatment of acute hyperammonemic crises in infants and children" Presented at the 27th Annual Meeting and Exposition of the American Society of Nephrology, Orlando, FL October 1994.

"Assessing Compliance with Dialysis in Children on Peritoneal Dialysis." Presented at the 16th Annual Conference on Peritoneal Dialysis and Second International Symposium on Daily Home Hemodialysis, Seattle, WA February 1996.

"Incidence of vancomycin-resistant enterococcal colonization in hospitalized hemodialysis patients." Presented at the 29th Annual Meeting and Exposition of the American Society of Nephrology, New Orleans, LA November 1996.

"2.5% sodium hypochlorite solution for exit site care is ineffective in preventing infection." Presented at the 17th Annual Conference on Peritoneal Dialysis, Denver, CO, February 1997.

"Hypoalbuminemia, BUN:creatinine ratio and PD morbidity in pediatric PD patients." Presented at the 17th Annual Conference on Peritoneal Dialysis, Denver, CO, February 1997.

"Low dialysis adequacy as measured by Kt/V is associated with increased morbidity in pediatric peritoneal dialysis patients." Presented at the 18th Annual Conference on Peritoneal Dialysis, Nashville, TN, February 1998.

"Decreasing extracorporeal blood volume in pediatric patients by using modified hemodialysis line for continuous venovenous hemofiltration." Presented at the 3rd International Conference on Continuous Renal Replacement Therapies, San Diego, March 1998.

"Rapid production of bicarbonate-based dialysate for continuous venovenous hemodiafiltration." Presented at the 4th International Conference on Continuous Renal Replacement Therapies, San Diego, CA, March 1999.

"Complications of continuous renal replacement therapy in children." Presented at the 6th International Conference on Continuous Renal Replacement Therapies, San Diego, CA, March 2001.

"Renal biopsies - the gold standard revisited." Presented at the 12th International Congress of the Pediatric Nephrology Association, Seattle, Washington, September, 2001.

" Pediatric hypertension: The essentials." Presented at the 34th Annual Meeting and Exposition of the American Society of Nephrology, San Francisco, CA November 2001.

"A closer look at pediatric essential hypertension." Presented at the 34th Annual Meeting and Exposition of the American Society of Nephrology, San Francisco, CA November 2001.

"Presentation and clinical course of pediatric membranous lupus nephritis." Presented at the 34th Annual Meeting and Exposition of the American Society of Nephrology, San Francisco, CA November 2001.

"Does length matter? Survival rates in pediatric patients requiring prolonged continuous renal replacement therapy." Presented at the 7th International Conference on Continuous Renal Replacement Therapies, San Diego, CA March, 2002.

BIBLIOGRAPHY

PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Rocchini AP, Katch V, Kveselis D, Moorehead C, Martin M, Lampman R, Gregory M: Insulin and renal sodium retention in obese adolescents. Hypertension 1989;14 (4): 367-74.

2. Gregory MJ, Smoyer WE, Kershaw DB, Valentini RP, Johnson K, Sedman AB, Bunchman TE. Long-term cyclosporine therapy for pediatric nephrotic syndrome: a clinical and histologic evaluation. J Amer Soc Nephrol. 1996; 7:543-49.

3. Valentini RP, Smoyer WE, Sedman AB, Kershaw DB, Gregory MJ, Bunchman TE. Outcome of antineutrophil cytoplasmic autoantibodies-positive glomerulonephritis and vasculitis in children: A single center experience. J Pediatr 1998;132:325-328.

4. Smoyer WE, Gregory MJ, Bajwa RS, Johnson KJ, Bunchman TE. Correlation between renal biopsies and response to cyclosporine in nephrotic syndrome. Ped Nephrol 1998;12: 737-743.

5. Mohammad, D., Leikert, S., Gregory, M., Baracco, R. A 6-year-old male with acute kidney injury and enlarged kidneys: Questions. Pediatr Nephrol (2020). https://doi.org/10.1007/s00467-020-04690-5

6. Abid Q, Asmar B, Kim E, Molloy L, Gregory M, Valentini RP. Intraperitoneal vancomycin treatment of multifocal methicillin-resistant Staphylococcus aureus osteomyelitis in a patient on peritoneal dialysis. Amer J Health-System Pharmacy. 2020: Sept 11. https://doi.org/10.1093/ajhp/zxaa244.

7. Ma, M., Mazumder, S., Kwak, H. Adams M, Gregory M. Case Report: Acute Thrombotic Microangiopathy in a Patient with STING-Associated Vasculopathy with Onset in Infancy (SAVI). J Clin Immunol (2020). https://doi.org/10.1007/s10875-020-00850-2.

9. Grewal MK, Gregory MJ, Jain A, Mohammad D, Cashen K, Ang JY, Thomas RL, Valentini RP. Acute Kidney Injury in Pediatric Acute SARS-CoV-2 Infection and Multisystem Inflammatory Syndrome in Children (MIS-C): Is There a Difference? Frontiers in Pediatr 2021 Aug 9. https:// doi: 10.3389/fped.2021.692256.

10. Abukwaik WM, Baracco R, Jain A, Gregory M, Valentini RP, Kapur G. Clinical profile of children incidentally found to have advanced kidney failure. Pediatr Nephrol 2021Oct 9. https://doi: 10.1007/s00467-021-05293-4.

PUBLICATIONS IN NON-PEER-REVIEWED JOURNALS

1. Gregory MJ, Schwartz GJ. Diagnosis and treatment of renal tubular disorders. Seminars Nephrol 1998;18:317-329.

ARTICLES SUBMITTED FOR PUBLICATION

1. McBryde KD, Gregory MJ, Brophy PD, Maxvold NJ, Gardner JJ, Mottes TA, Bunchman TE. Renal Replacement Therapy in Metabolic Disease. Submitted to Pediatric Nephrology.

BOOK CHAPTERS

1. Gregory MJ, Schwartz GS. Regulation of acid-base homeostasis. In: Pediatric Textbook of Fluids and Electrolytes. Ichikawa I (editor) Williams & Wilkins, Baltimore (in press).

2. Gregory MJ. Oliguria. In: Principles of Pediatrics. Hoekelman R (editor) McGraw-Hill, New York. 2001: 1324-1326.

3. Gregory MJ. Obstructive Uropathy and Vesicoureteral Reflux. In: Principles of Pediatrics. Hoekelman R (editor) McGraw-Hill, New York, 2001: 1676-1682.

4. Gregory MJ. Acute Renal Failure. In: The Pediatric Clinical Advisor. Garfunkel LC, Christy C, Kaczorowski J (editors) Mosby, MO, 2002: 628-629.

5. Gregory MJ. Vesicoureteral Reflux. In: The Pediatric Clinical Advisor. Garfunkel LC, Christy C, Kaczorowski J (editors) Mosby, MO, 2002: 763-764.

6. Gregory MJ. Hydronephrosis. In: The Pediatric Clinical Advisor. Garfunkel LC, Christy C, Kaczorowski J (editors) Mosby, MO, 2002: 412-413.

ABSTRACTS

1. Gregory MJ, Smoyer WE, Bunchman TE, Kershaw DB, Valentini RP, Sedman, AB. Long-term cyclosporine therapy for nephrotic syndrome in children: a clinical and histologic analysis. Pediatr Res 1994, 35(4)2/15/96 365A.

2. Gregory MJ, Sedman AB, Kershaw DB, Valentini RP, Sanvordender JK, Bunchman TE. Growth and allograft function in pediatric renal transplantation: impact of alternate day steroids. J Amer Soc Nephrol 1994; 5 (3):1008.

3. Gregory MJ, Kershaw DB, Sedman AB, Valentini RP, Bunchman TE. Adaptation of standard hemodialysis for the treatment of acute hyperammonemic crises in infants and children. J Amer Soc Nephrol 1994; 5 (3):415.

4. Bunchman TE, Smoyer WE, Valentini RP, Kershaw DB, Gregory MJ, Sedman AB. Morbidlity and mortality in pediatric renal replacement therapy. J Amer Soc Nephrol 1994; 5(3):436.

5. Valentini RP, Sedman AB, Smoyer WE, Kershaw D, Gregory M, Bunchman TE. The safety and efficacy of intraperitoneal erythropoietin in children on CCPD. J Amer Soc Nephrol 1995; 6(3): 434.

6. Valentini RP, Sedman AB, Smoyer WE, Kershaw D, Gregory M, Bunchman TE. Outcome of children with anti-neutrophil cytoplasmic antibody positive glomerulonephritis. J Amer Soc Nephrol 1995; 6(3): 514.

7. Gregory MJ, Holley JL. Assessing Compliance with Dialysis in Children on Peritoneal Dialysis. Perit Dial Int 1996; 16(suppl 2): S69.

8. Flynn J, Sedman A, Kershaw D, Smoyer W, Valentini R, Gregory M, Bunchman T. Increased risk of pancreatitis in pediatric peritoneal dialysis patients. Perit Dial Int 1996; 16(suppl 2): S68.

9. Gregory MJ, Watson W, Holley JL. 2.5% sodium hypochlorite solution for exit site care is ineffective in preventing infection. Perit Dialysis Int 1997, 17 (suppl 1): S44.

10. Gregory MJ. Hypoalbuminemia, BUN:creatinine ratio and PD morbidity in pediatric PD patients. Perit Dialysis Int 1997, 17 (suppl 1): S85.

11. Gregory MJ. Low dialysis adequacy as measured by Kt/V is associated with increased morbidity in pediatric peritoneal dialysis patients. Perit Dial Int 1998, 18 (suppl 1):S66.

12. Schwab GM, Gregory MJ. Decreasing extracorporeal blood volume in pediatric patients by using modified hemodialysis line for continuous venovenous hemofiltration. Blood Purif 1998;16:102.

13. Gregory, MJ, Brophy PD, Mottes, TA, Bunchman TE. Complications of Continuous Renal Replacement Therapy in Children. Blood Purification 2001; 19(3): 336.

14. Palombo GM, Smoyer WE, Gardner JJ, Mottes TA, Gregory MJ, Brophy PD. Heparinization for acute pediatric leukapheresis; lessons learned from continuous renal replacement therapy. Blood Purification 2001; 19(3): 340.

15. Gregory MJ, Brophy PD, Thomas SE. Renal Biopsies: The Gold Standard Revisited. Pediatric Nephrology 2001; 16(6): C80.

16. Brophy PD, Mills M, White SC, Killen P, Gregory MJ, Smoyer WE. Presentation and Clinical Course of Pediatric Membranous Lupus Nephritis. J Amer Soc Nephrol 2001; 12(9): 94A.

17. Thomas SE, Gregory MJ. Pediatric Hypertension: The Essentials. J Amer Soc Nephrol 2001; 12(9): 492A.

18. McBryde KD, Brophy PD, Gregory MJ, Maxvold NJ, Gardner JJ, Mottes TA, Bunchman TE. Renal Replacement Therapy in Metabolic Disturbances. J Amer Soc Nephrol 2001; 12(9): 175A.

19. Thomas SE, Gregory MJ. A Closer Look at Pediatric Essential Hypertension. J Amer Soc Nephrol 2001; 12(9): 492A.

20. Brophy PD, Mottes TA, Gardner JJ, Gregory MJ. Does length matter? Survival rates in pediatric patients requiring prolonged continuous renal replacement therapy." Presented at the 7th International Conference on Continuous Renal Replacement Therapies, San Diego, CA March, 2002.

21. Thomas SE, MD and Melissa J. Gregory, MD. Frequency of Cardiac Abnormalities in Children Starting Dialysis. To be presented at the 35th Annual Meeting & Scientific Exposition of the American Society of Nephrology, October 2002

22. McBryde KD, Gregory MJ, Patel UD, Mottes TA, Kudelka TL, Gardner JJ, Dorsey LK, Adams BJ, Brophy PD. Outcomes of Neonatal Hemodialysis and Continuous Renal Replacement Therapy. Submitted to the 35th Annual Meeting & Scientific Exposition of the American Society of Nephrology, October 2002.

23. Uptal PD, Mills M DA, White SC, Gregory MJ, Streetman DA, Brophy PD. Anaphylactic-type Reaction to Mesna in Pediatric Lupus Nephritis Patients Receiving Cyclophosphamide. Submitted to the 35th Annual Meeting & Scientific Exposition of the American Society of Nephrology, October 2002.