

CURRICULUM VITAE

L. NICHOLAS COSSEY, MD, FASN, FCAP

PERSONAL DATA

Date of Birth: February 6, 1981

Place of Birth: Jonesboro, Arkansas

Marital Status: Married to Nicholas Pridgin, Pharm. D.

Children: None

Office Address: Arkana Laboratories
10810 Executive Center Drive, Ste. 100
Little Rock, AR 72212
501.604.2695

WORK EXPERIENCE

July 2013-Current: Renal Pathologist
Director of Social Media (2016-Current)
Arkana Laboratories
Little Rock, AR

EDUCATION

Post-Graduate: Arkana Laboratories, Little Rock, AR
Fellowship in Nephropathology
July 2012-June 2013

University of Arkansas for Medical Sciences, Little Rock, AR
Department of Pathology
Residency in Anatomical and Clinical Pathology
July 2008-June 2012

Medical School: University of Arkansas for Medical Sciences, Little Rock, AR
College of Medicine
Medical Doctorate
July 2004-May 2008

University: University of Arkansas, Fayetteville, AR
Bumper's College of Agriculture
BS in Human Nutrition and Food Science
August 2001-December 2003

Arkansas State University, Jonesboro, AR
College of Fine Arts
August 1999-July 2001

High School: Harrisburg High School, Harrisburg, AR
High School Diploma
May 1999

AWARDS

Pathologist in Training Best Abstract Award, March 2013
Renal Pathology Society

Paul E. Strandjord Young Investigator Award, June 2010
Academy of Clinical Laboratory Physicians and Scientists

3rd Place, Bruce R. Smoller Resident's Research Symposium, May 2010
University of Arkansas for Medical Sciences; Department of Pathology

Adair Scholar, August 2001-December 2003
University of Arkansas at Fayetteville, Dr. Roy and Ethel Adair Endowed Fund

Outstanding Volunteer Award, June 2003
Northwest Arkansas Children's Crisis Shelter

Leadership Award, June 2002 and 2003
University of Arkansas at Fayetteville, Bumper's College of Agriculture

Transfer Scholarship, August 2001
University of Arkansas at Fayetteville, Bumper's College of Agriculture

President's Scholar, 1999-2001
Arkansas State University at Jonesboro

Vocal Music Contracted Scholarship, 1999-2001
Arkansas State University at Jonesboro, College of Fine Arts

PCLBA Scholarship, 1999-2001
Poinsett County Licensed Beverage Association, Harrisburg, AR

MEDICAL BOARDS

USMLE Step 1	Passed 1 st attempt
USMLE Step 2 Clinical Skills	Passed 1 st attempt
USMLE Step 2 Clinical Knowledge	Passed 1 st attempt
USMLE Step 3	Passed 1 st attempt
Anatomic Pathology Boards	Passed 1 st attempt
Clinical Pathology Boards	Passed 1 st attempt

BOARD CERTIFICATIONS

American Board of Pathology
Anatomic Pathology 2013-2023
Clinical Pathology 2013-2023

PROFESSIONAL ORGANIZATION MEMBERSHIPS

Renal Pathology Society
American Society of Nephrology, Fellow
College of American Pathologists, Fellow
United States and Canadian Academy of Pathology
Arkansas Medical Society

COMMITTEES

House of Delegates, 2018-Current
Arkansas Delegate, College of American Pathologists

Arkana Blog Development Committee, 2017-2018
Committee Member, Arkana Laboratories

Biorepository and Pharma Database Committee, 2017-Current,
Committee Member, Arkana Laboratories

Social Media Content Committee, 2017-Current
Committee Lead, Arkana Laboratories

Client Diagnostics App Development Committee, 2016-Current
Committee Lead, Arkana Laboratories

Inventory Application Development Committee, 2016-Current
Committee Member, Arkana Laboratories

Laboratory Information System Committee, 2016-Current
Committee Member, Arkana Laboratories

IT Quality Improvement Committee, 2016-Current
Committee Lead/Physician Liaison, Arkana Laboratories

Marketing and Client Services Quality Improvement Committee, 2016-Current
Committee Lead/Physician Liaison, Arkana Laboratories

Arkana Laboratories Physician and Stakeholder Committee, 2015-Current
Committee Member, Arkana Laboratories

Serology Lab Development Committee, 2014-2015
Committee Member, Arkana Laboratories

Resident's Council, 2009-2010

Committee Member, University of Arkansas for Medical Sciences, Office of Graduate Medical Education

Citation's Subcommittee, 2009-2010

Committee Member, University of Arkansas for Medical Sciences, Office of Graduate Medical Education

CONFERENCES PRESENTED

Methodist Transplant Group Renal Biopsy Conference

Arkana and Methodist Transplant Group, Memphis, TN; monthly, 2017-Current

Nephrology Associates of Chattanooga Renal Biopsy Conference

Arkana and Nephrology Associates, Chattanooga, TN; quarterly, 2017-Current

Renal Care Associates Nephrology and Transplant Biopsy Conference

Arkana and Renal Care Associates, Peoria, IL; quarterly, 2014-Current

Grandview Hospital Renal Biopsy Conference

Arkana and Grandview Hospital, Department of Nephrology, Dayton, OH; quarterly, 2014-2017

Greater Hartford Nephrology and Transplant Biopsy Conference

Arkana and Greater Hartford Nephrology, Hartford, CT; quarterly, 2017

Detroit Medical Center and Wayne State University Biopsy Conference

Arkana and DMC/Wayne State University, Detroit, MI; quarterly, 2017

Hypertension and Nephrology Associates Renal Biopsy Conference

Arkana and Hypertension Nephrology Associates, Detroit, MI; quarterly, 2014-2017

Baptist Health Renal Biopsy Conference

Arkana Labs and Baptist Health Hospital, Department of Nephrology, Little Rock, AR; quarterly, 2012-2015

Arkansas Children's Hospital Renal Biopsy Conference

Arkana Labs and Arkansas Children's Hospital, Department of Nephrology, Little Rock, AR; quarterly, 2012-2015

Arkana Laboratories Journal Conference

Arkana Labs physician group and Ph.D staff, Little Rock, AR; Monthly, 2012-Current

Autopsy Conference

University of Arkansas for Medical Sciences, Department of Pathology and McClellan Memorial Veteran's Hospital Department of Pathology, Little Rock, AR; 16 conferences, 2008-2012

The Final Word Resident's Conference

University of Arkansas for Medical Sciences, Department of Pathology, Little Rock, AR; 6 conferences, 2008-2010

MIRT Integrative Patient Care Conference

University of Arkansas for Medical Sciences, Myeloma Institute of Research and Technology, Little Rock, AR; 12 conferences, 2008-2012

Medicine-Pathology Interdisciplinary Conference

University of Arkansas for Medical Sciences, Departments of Medicine and Pathology, Little Rock, AR; 13 conferences, 2008-2011

Mortality and Morbidity Conference

University of Arkansas for Medical Sciences, Myeloma Institute, Little Rock, AR; 2 conferences, 2009-2010

Tumor Board

Arkansas Children's Hospital, Department of Pathology and Oncology, Little Rock, AR; 12 conferences, 2010

NATIONAL POSTER AND PLATFORM SESSIONS PRESENTED

Lysozyme-Induced Acute Tubular Injury: An Under-Recognized Cause of Acute Renal Failure

American Society of Nephrology, Poster Presentation of Original Research, Kidney Week 2013, Atlanta, GA, November 2013

Acute Proliferative Glomerulonephritis in Diabetic Nephropathy

United States and Canadian Academy of Pathology, Poster Presentation of Original Research, 102nd Annual Meeting, Baltimore, MD, March 2013

IgA Deposition in Diabetic Nephropathy

United States and Canadian Academy of Pathology, Poster Presentation of Original Research, 102nd Annual Meeting, Baltimore, MD, March 2013

Phospholipase A2 Receptor Staining is Not a Sensitive Indicator of Idiopathic Membranous Glomerulopathy in Children

United States and Canadian Academy of Pathology, Poster Presentation of Original Research, 102nd Annual Meeting, Baltimore, MD, March 2013

2,8 Dihydroxyadeninuria — A Renal Biopsy Case Series

United States and Canadian Academy of Pathology, Poster Presentation of Original Research, 101st Annual Meeting, Vancouver, BC, March 2012

Renal Disease with Underlying Mitochondrial DNA Mutations in Three Patients Lacking Electron Microscopic Mitochondrial Morphologic Abnormalities

United States and Canadian Academy of Pathology, Poster Presentation of Original Research, 101st Annual Meeting, Vancouver, BC, March 2012

Evaluation of the Efficacy of Utilizing Total Serum Pseudocholinesterase Activity as a Screening Tool for Pseudocholinesterase Deficiency.

Academy of Clinical Laboratory Physicians and Scientists, Platform Presentation of Original Research, 45th Annual Meeting, Nashville, TN, June 2010

NATIONAL AND LOCAL TEACHING SESSIONS

Kidney Biopsy Academy Staff

Integrated, hands on session for interventional nephrology that reviews significant anatomy and pathology relevant to kidney biopsy procedure, KIDNEYcon 2018, Little Rock, Arkansas; April 2018.

Glomerular Pathology: Monoclonal Gammopathy of Renal Significance

Original lecture presented at KIDNEYcon 2017, Little Rock, Arkansas; April 2017.

Glomerular Pathology: Case Presentations Highlighting New Entities and Diagnostic Modalities

Original lecture presented at KIDNEYcon 2016, Little Rock, Arkansas; April 2016.

Renal Disease in Mitochondriopathies.

Original lecture presented to the attending faculty at Nephropath, Little Rock, Arkansas; November 2012.

Renal Pathology: Diseases Affecting the Tubules and Interstitium.

Original lecture presented to the sophomore medical students at the University of Arkansas for Medical Sciences, Little Rock, Arkansas; 2010-2012.

Renal Pathology: Glomerular Diseases Presenting with the Nephrotic Syndrome.

Original lecture presented to the sophomore medical students at the University of Arkansas for Medical Sciences, Little Rock, Arkansas; 2010-2012.

Renal Pathology: Glomerular Diseases Presenting with the Nephritic Syndrome.

Original lecture presented to the sophomore medical students at the University of Arkansas for Medical Sciences, Little Rock, Arkansas; 2010-2012.

Under The Scope: Renal Pathology Microscopic Session.

Three original small group microscopic teaching/review sessions offered to the sophomore medical students at the University of Arkansas for Medical Sciences, Little Rock, Arkansas; 2010-2013.

Renal Disease with Underlying Mitochondrial DNA Mutations in Three Patients Lacking Electron Microscopic Mitochondrial Morphologic Abnormalities.

Presentation of original research at the annual UAMS Bruce R. Smoller Research Symposium in Little Rock, AR; May 2012.

The Pediatric Kidney.

Original lecture presented to the attending pathologists of Arkansas Children's Hospital, Little Rock, Arkansas; November 2010.

Cardiac Pathology: Morphology Review.

Original lecture presented to the sophomore medical students at the University of Arkansas for Medical Sciences, Little Rock, Arkansas; November 2010.

Glomerular Diseases.

Original lecture presented to pathology residents at the University of Arkansas for Medical Sciences, Little Rock, Arkansas; July 2010.

Evaluation of the Efficacy of Utilizing Total Serum Pseudocholinesterase Activity as a Screening Tool for Pseudocholinesterase Deficiency.

Presentation of original research at the annual UAMS Resident's Research Symposium in Little Rock, Arkansas; May 2010.

Clostridium difficile Colitis.

Original lecture and question session presented to the Department of Pathology at John L. McClellan Memorial Veterans Hospital, Little Rock, Arkansas; May 2010.

Clinical Skills: Hepatocellular Carcinoma.

Lecture and interactive session presented to medical students at the University of Arkansas for Medical Sciences, Little Rock, Arkansas; March 2010.

IN-SERVICE TEACHING

Anti-LRP2 Nephropathy

In-service lecture and Q&A to the Arkana sales team, Little Rock, AR; March 2018

SOCIAL MEDIA/INTERNET

Blog/Social Media Series:

Digging Deeper, 2017-Current

Producer

Content Creator and Developer: Nidia Messias, MD

Blog format content reviewing a challenging case requiring further testing to elucidate the proper diagnosis and highlight common pitfalls in renal pathology.

<https://www.arkanalabs.com/category/digging-deeper/>

Twitter Poll in Nephrology

Developer/Producer

Content Creator: Vanessa Moreno MD

Simple Q&A covering nephrology topics using Twitter's poll function

<https://www.arkanalabs.com/category/twitter-poll/>

Can I Have a Minute?, 2017 Special Program

Co-Developer/Producer

Content Creator: Shree Sharma MD

Nephrology board review with in-house audience and live stream over YouTube with Facebook and Twitter open to audience response and questions.

Week-long special program covering four, one hour lectures.

<https://www.arkanalabs.com/quiz/>

Teaching Points, 2017-Current

Developer/Producer

Content Creators: Chris Larsen MD, Pat Walker MD, David Bourne MD.

Alejandro Best-Rocha MD

Renal pathology teaching points covering basic and cutting edge renal pathology and nephrology.

208 segments per year.

<https://www.arkanalabs.com/category/teaching-points/>

Arkana Laboratories Journal Club (#ArkanaJC)

Producer/Live Tweeter

Visual Abstract Production: Christie Boils, MD., Chassity Jordan

Nephrology/renal pathology journal club hosted by the physicians of Arkana Laboratories.

10 segments per year.

<https://www.arkanalabs.com/category/arkana-journal-club/>

Diagnose This!, 2017-Current

Developer/Producer/Content Creator

Social media quiz series covering new and interesting renal pathology topics.

52 segments per year.

<https://www.arkanalabs.com/category/diagnosethis/>

Arkana Laboratories Physician Spotlight, 2017-Current

Developer/Producer

Content Creator: Chassity Jordan

Social media series highlighting an Arkana physician and their research/hobbies/interests.

12 segments per year.

<https://www.arkanalabs.com/category/arkana-physician-spotlight/>

Pushing Glass, 2017-Current.

Developer/Producer

Content Creators: Shahrier Amin, MD, Michael Kuperman, MD

Social media quiz series focusing on common areas of misinterpretation in renal pathology.

24 segments per year.

<https://www.arkanalabs.com/category/pushing-glass/>

Arkana Visualized, 2017-Current.

Developer/Producer

Content Creator: Chassity Jordan
Social media series devoted to visually expressing the culture and values of Arkana Laboratories.
12 segments per year.
<https://www.arkanalabs.com/category/arkana-visualized/>

Podcasts

Throw Back Thursday with Dr. Fred Silva, 2017-Current
Developer/Producer
Host: Fred Silva, MD
Bi-monthly podcast series discussing historical topics in nephrology and nephropathology.
<https://itunes.apple.com/us/podcast/throwback-thursday-with-dr-fred-silva/id1242963310?mt=2>
<https://www.arkanalabs.com/podcasts/>

Frontline Research Minute, 2017
Developer/Producer
Hosts: Josephine Ambruzs, MD and Dan Keenan, MD, Ph.D
Monthly podcast detailing clinically relevant nephrology topics and research.
<https://itunes.apple.com/us/podcast/frontline-research-minute/id1242996819?mt=2>
<https://www.arkanalabs.com/podcasts/>

Arkana Presents, 2017-Current
Developer/Producer
Content Creation/Host: Physicians of Arkana Laboratories (varies per segment)
A lecture series covering a wide range of topics in nephrology and renal pathology that uses podcasts and videocasts.
<https://www.youtube.com/watch?v=PaZKtXyet9c>

Live Tweet Sessions

Arkana Laboratories Journal Club, #ArkanaJC
Journal Club with 10 segments per year.
Via personal account @TheGoodMD
Little Rock, AR; 2017-Current

KIDNEYcon 2018, #KIDNEYcon2018
Education Summit and 2nd Day Didactics
Via business account @ArkanaLabs
Little Rock, AR; April 2018

KIDNEYcon 2017, #Kidneycon
1st Day Didactic Sessions
Via personal account @TheGoodMD
Little Rock, AR; April 2017

AD HOC TEACHING AND INSTRUCTION

Arkana Laboratories Visiting Scholars Program

One-on-one didactic and scope time for practicing renal pathologists and nephrologists who visit for intensive one week to three month cycles.

Arkana Laboratories Visiting Fellow Program

One-on-one didactic and scope time with nephrology fellows who visit for a one week cycle.

Arkana Laboratories Pathology Resident Program

One-on-one didactic and scope time with anatomic pathology residents who visit for a one month cycle.

Arkana Laboratories Renal Pathology Fellowship Program

One-on-one, intensive, didactic and scope time with fellows in renal pathology who participate for a one year cycle.

PEER REVIEW ACTIVITIES:

Article Reviewer:

Human Pathology, Elsevier.

Modern Pathology, Nature.

Pediatric Nephrology, Springer.

The American Journal of the Medical Sciences, Elsevier

ABSTRACTS:

1. Larsen CP, **Cossey LN**, Beck LH. THSD7A Staining of Membranous Glomerulopathy in Clinical Practice Reveals Cases with Dual Autoantibody Positivity. Poster Presentation. American Society of Nephrology 2015 Renal Week, San Diego, CA.
2. **Cossey LN**, Sharma S, Gokden N. Castleman's Disease and the Renal Biopsy: A Clinicopathologic Case Series. Poster Presentation. United States and Canadian Academy of Pathology 2015, Boston, MA.
3. Mutneja A, **Cossey LN**, Liapis H, Chen Y. A Rare Case of Renal Thrombotic Microangiopathy Associated with Castleman's Disease. Poster Presentation. American Society of Nephrology 2014 Renal Week, Philadelphia, PA.
4. **Cossey LN**, Hennigar RA, Bonsib S, Gown AM, Silva FG. Vascular Mesangial Channels in Nodular Diabetic Glomerulopathy. Poster Presentation. United States and Canadian Academy of Pathology 2014, San Diego, CA.
5. **Cossey LN**, Larsen CP. Lysozyme-Induced Acute Tubular Injury: An Under-Recognized Cause of Acute Renal Failure. Poster Presentation. American Society of Nephrology 2013 Renal Week, Atlanta, GA.
6. Ambruzs JA, **Cossey LN**, Troxell ML, Larsen CL. Kikuchi-Like Interstitial Necroinflammation in Renal Biopsies Associated with Autoimmune Disease: A

Report of Three Cases. Poster Presentation. American Society of Nephrology
2013 Renal Week, Atlanta, GA.

7. **Cossey LN**, Walker, PD, Larsen CP. Phospholipase A2 Receptor Staining is Not a Sensitive Indicator of Idiopathic Membranous Glomerulopathy in Children. United States and Canadian Academy of Pathology 2013 Annual Meeting, Baltimore, MD.
8. **Cossey LN**, Messias N, Walker PD, Silva FG. Acute Proliferative Glomerulonephritis in Diabetic Nephropathy. United States and Canadian Academy of Pathology 2013 Annual Meeting, Baltimore, MD.
9. **Cossey LN**, Messias N, Walker PD, Silva FG. IgA Deposition in Diabetic Nephropathy United States and Canadian Academy of Pathology 2013 Annual Meeting, Baltimore, MD.
10. Walker PD, **Cossey LN**, Ambruz JM, Silva FS. Diabetic Nephropathy with an Atypical Clinical Course: A Potentially Treatable Second Disease is Commonly Found on Renal Biopsy. United States and Canadian Academy of Pathology 2013 Annual Meeting. Baltimore, MD.
11. Boils CL, Ambruz JM, **Cossey LN**, Harris AA, Walker PD, Messias NC. Atypical Lymphocytic Infiltrates of the Kidney: Benign or Malignant? United States and Canadian Academy of Pathology 2013 Annual Meeting, Baltimore, MD.
12. **Cossey LN**, Chukwuma E, Nasr S, Larsen CP. 2,8 Dihydroxyadeninuria-A Renal Biopsy Case Series. Poster Presentation, United States and Canadian Academy of Pathology 2012 Annual Meeting. Vancouver, Canada.
13. **Cossey LN**, Carsen CP, Massey HD, Bunchman TE. Renal Disease with Underlying Mitochondrial DNA Mutations in Three Patients Lacking Electron Microscopic Mitochondrial Morphologic Abnormalities. Poster Presentation, United States and Academy of Pathology 2012 Annual Meeting. Vancouver, Canada.
14. **Cossey LN**, Ashwood E, Grenache DG, Bornhorst J. Evaluation of the Efficacy of Utilizing Total Serum Pseudocholinesterase Activity as a Screening Tool for Pseudocholinesterase Deficiency. Poster Presentation, Academy of Clinical Laboratory Physicians and Scientists Annual Meeting. Nashville, TN.

PUBLICATIONS:

1. Larsen CP, Trivin-Avillach C, Coles P, Collins AB, Merchant M, Ma H, Wilkey DW, Ambruzs JM, Messias NC, **Cossey LN**, Rosales IA, Wooldridge T, Walker PD, Colvin RB, Klein J, Salant DJ, Beck LH Jr. LDL Receptor-Related Protein 2 (Megalyn) as a Target Antigen in Human Kidney Anti-Brush Border Antibody Disease. J Am Soc Nephrol. 2017 Oct 26. doi: 10.1681/ASN.2017060664.

2. **Cossey LN**, Larsen CP, Liapis H. Collapsing Glomerulopathy: A 30-Year Perspective and Single, Large Center Experience. *Clin Kidney J.* 2017 Aug;10(4):443-449. doi: 10.1093/ckj/sfx029.
3. Mutneja A, **Cossey LN**, Liapis H, and Chen YM. A Rare Case of Renal Thrombotic Microangiopathy Associated with Castleman's Disease. *BMC Nephrology.* 2017 Feb. doi: 10.1186/s12882-017-0472-2.
4. Larsen CP, Boils CL, **Cossey LN**, Sharma SG, Walker PD. Clinicopathologic Features of Membranous-like Glomerulopathy with Masked IgG Kappa Deposits. *Kidney International Reports.* 2016 August. Doi: <http://dx.doi.org/10.1016/j.ekir.2016.08.012>
5. Larsen CP, **Cossey LN**, Beck L. THSD7A Staining of Membranous Glomerulopathy in Clinical Practice Reveals Cases with Dual Autoantibody Positivity. *Modern Pathology.* 2016 Apr;29(4):421-6.
6. **Cossey LN**, Hennigar RA, Bonsib S, Gown AM, Silva FG. Vascular Mesangial Channels in Human Nodular Diabetic Glomerulopathy. *Human Pathology.* 2016 Feb;48:148-53.
7. Kurien AA, Larsen CP, **Cossey LN**. Collagenofibrotic Glomerulopathy. *Clinical Kidney Journal.* 2015 Oct;8(5):543-7.
8. **Cossey LN**, Messias N, Messias E, Walker PD, Silva FG. Defining the Spectrum of IgA Dominant/Co-Dominant Glomerular Deposition in Diabetic Nephropathy. *Human Pathology.* 2014 Nov;45(11):2294-301.
9. Chadhary A, Gyamlani G, **Cossey LN**, Walker PD, Wall BM. Successful Use of Rituximab in Fibrillary Glomerulopathy. *Renal Failure.* 2014 Aug;36(7): 1151-4.
10. Larsen CP, Beggs ML, Saeed M, Ambruz JM, **Cossey LN**, Messias NC, Walker PD. Renal Histopathologic Findings Associated with APOL1 Risk Variants in African American Patients with Chronic Kidney Disease. *Modern Pathology.* 2014 doi: 10.1038/modpathol.2014.92
11. Larsen CP, Ambruz JM, Bell JM, Bonsib SM, Boils CL, **Cossey LN**, Harris AA, Messias NC, Silva FG, Wang Y, Gokden N, Walker PD. Membranous-Like Glomerulopathy with Masked IgG Kappa Deposits. *Kidney International.* 2014 Jul;86(1): 154-61.
12. **Cossey LN**, Walker PD, Larsen CP. Phospholipase A2 Receptor Staining in Pediatric Idiopathic Membranous Glomerulopathy. *Pediatric Nephrology.* 2013 Jun;61(6): 1032-5.
13. **Cossey LN**, Rahim F, Larsen CP. Oxalate Nephropathy and Intravenous Vitamin C. *Am J Kidney Dis.* 2013 Dec;28(12):2307-11.

BOOK CHAPTERS

1. Sharma S, **Cossey LN**. Renal Manifestations of Plasma Cell Neoplasms. *In*: Yared M, Lorsbach R. Plasma Cell Neoplasms: Pathogenesis, Diagnosis and Laboratory Evaluation. Springer, New York: 2016. ISBN: 3319423681.
2. **Cossey LN**, Liapis H. Collagen Type III Glomerulopathy. *In*: Colvin RB. Diagnostic Pathology: Kidney Diseases. Manitoba: Amirsys; 2015. ISBN: 0323377076.