

## CURRICULUM VITAE

### Achuthan Sourianarayanan MD

Associate Professor  
Department of Medicine  
Division of Medicine Gastroenterology and Hepatology

#### OFFICE ADDRESS:

8701 Watertown Plank Road

Milwaukee, WI 53226

#### FACULTY APPOINTMENTS:

07/01/2021 - Present Associate Professor, Department of Medicine, Gastroenterology and Hepatology, The Medical College of Wisconsin, WI

#### RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

##### Prior

##### Peer Review

Title:	Early Diagnosis of Non-alcoholic fatty liver disease
Source:	DDC
Role & Effort:	Principal Investigator
PI:	Achuthan Sourianarayanan
Dates:	08/01/2020 - 07/30/2023
Direct Funds:	\$20,000

#### INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

##### Regional

Sourianarayanan A., Live Tissue vs. Plasma Ceramide Analysis in Nonalcoholic Fatty Liver Disease: A Possible Biomarker and Target for Intervention, Digestive Disease Week, Chicago, IL, 05/07/2023

##### Local

Hepatic Encephalopathy, Academic Half Day Lecture (Residents), Medical College of Wisconsin, Milwaukee WI, 11/18/2020

NAFLD-Emerging Therapies and Management, Gastroenterology Fellowship Board Review, Medical College of Wisconsin, 10/21/2021

Basic Viral Hepatitis and LFT Interpretation, Academic Half Day Lecture (Interns), Medical College of Wisconsin, Milwaukee, WI, 12/08/2021

Basic Viral Hepatitis and LFT Interpretation, Academic Half Day Lecture-(Interns), Medical College of Wisconsin, Milwaukee WI, 11/09/2022

NAFLD, Annual AASLD Meeting Review, Medical College of WI, Milwaukee WI, 02/18/2023

Achuthan Sourianarayanan, A Review of Nonalcoholic Fatty Liver Disease, Science Cafe, Milwaukee, 07/25/2023

Fatty Liver Disease, Annual AASLD Meeting Review, Milwaukee, WI, 02/10/2024

Strategies to Reduce Frailty & Optimize Nutrition in Liver Disease, Solid Organ Transplant Symposium, Brookfield, WI, 04/05/2025

## MCW TEACHING ACTIVITIES:

### Medical Student Education

- 09/04/2017 - 12/10/2017 M2 Clinical Apprenticeship Course - John Korducki
- 01/04/2018 - 12/31/2018 M1 semester of Clinical Apprenticeship - Taccheri, Giulia V
- 01/14/2019 - 12/31/2019 M1 semester of Clinical Apprenticeship - Vimal Gunasekaran
- 01/13/2020 - Present M1 semester of Clinical Apprenticeship - Megan Yee

### Resident and Fellow Education

- 03/16/2016 - Present Journal Club and weekly conference
- 03/16/2016 - Present Integral involvement in curriculum development and ongoing teaching of GI Fellows and resident
- 12/2016 - Present Academic Half day lectures

## EXTRAMURAL TEACHING:

### Community/Lay Public

- 04/16/2016 Milwaukee Consortium for Hmong Health, Education on Hepatitis B
- 03/18/2017 Milwaukee Consortium for Hmong Health, Education on Hepatocellular carcinoma
- 12/11/2018 American Liver foundation, Recent advances in management of liver disease and AASLD review. Presentation through American liver foundation

## BIBLIOGRAPHY

### Refereed Journal Publications/Original Papers

1. **Sourianarayanan A**, Challa SR (2020) Non-Alcoholic Fatty Liver: Current Management and Future Trends. *Gut Gastroenterol* 3: 001-017
2. **Sourianarayanan A**, McCullough AJ. Accuracy of steatosis and fibrosis NAFLD scores in relation to vibration controlled transient elastography: An NHANES analysis. *Clin Res Hepatol Gastroenterol*. 2022;46(7):101997. PMID: 35842111
3. **Sourianarayanan A**, McCullough AJ. Nonalcoholic Steatohepatitis Decompensation and Portal Pressures. *Clin Gastroenterol Hepatol*. 2023 Jan 13:S1542-3565(23)00032-0. doi: 10.1016/j.cgh.2022.12.031. Epub ahead of print. PMID: 36642295
4. **Sourianarayanan A**, Brydges CR, McCullough AJ. Liver tissue lipids in metabolic dysfunction-associated steatotic liver disease with diabetes and obesity. *Clin Res Hepatol Gastroenterol*. 2024 Aug;48(7):102402.
5. **Sourianarayanan A**, Salemi MR, Phinney BS, McCullough AJ. Liver Tissue Proteins Improve the Accuracy of Plasma Proteins as Biomarkers in Diagnosing Metabolic Dysfunction-Associated Steatohepatitis. *Proteomics Clin Appl*. 2024 Nov;18(6):e202300236.
6. **Sourianarayanan A**, McCullough AJ. Accuracy of ultrasonographic fatty liver index using point-of-care ultrasound in stratifying non-alcoholic fatty liver disease patients. *Eur J Gastroenterol Hepatol*. 2023 Jun 1;35(6):654-661. doi: 10.1097/MEG.0000000000002544. Epub 2023 Apr 15. PMID: 37115988.
7. **Sourianarayanan A**. Treatment of MASLD Managing Complex Cases in Gastroenterology: a Curbside Guide. 1 January 2023:309-318.
8. **Sourianarayanan A**, Brydges CR, McCullough AJ. Liver Tissue and Plasma Ceramide Variations in Metabolic Dysfunction-Associated Steatotic Liver Disease Based on the Number of Ceramide Carbon Atoms *European Journal of Lipid Science and Technology*. 2025.
9. **Sourianarayanan A**, Lee JS, Kim H, Phinney BS. Correlation of Plasma and Liver Tissue Proteomics for Plasma Biomarkers in Metabolic Dysfunction-Associated Steatotic Liver Disease. *J Proteome Res*. 2026 Feb 06;25(2):1015-1026.
10. Patel H, Dave S, **Sourianarayanan A**. S5745 Gastroenteritis as a Trigger for Acute Flare-Ups of BRIC in the Setting of ABCB11 Mutation *American Journal of Gastroenterology*. October 2025;120(10S2):S4-S4.

### Abstracts

1. **Sourianarayanan A**, McCullough AJ. Low to Moderate Alcohol Consumption has reduced or no beneficial effects in NAFLD among Hispanics. *Hepatology* 2020; 72: (S1) 980 A

2. **Sourianarayanane A**, Pereckas M, Kim J, Mccullough A. New insight into the pathophysiological pathway of Non-alcoholic fatty liver disease: a liver tissue proteomics analysis. *Hepatology* 2022;76 (S1).
3. **Sourianarayanane A.**, Pereckas M, Kim J, Phinney B, Saeian K. Mccullough. A Liver tissue protein associated with progression of Non-alcoholic steatohepatitis a possible target for intervention: a liver tissue proteomics analysis. *Hepatology* 2022. 76. (S1). (abstracts at AASLD 2022)
4. **Sourianarayanane A.**, Mccullough AJ., Fiehn O., Tissue vs Plasma ceramide analysis in non-alcoholic fatty liver disease: a possible biomarker and target for intervention. Presented as poster at Digestive Disease Week 2023. *Gastroenterology*, Vol. 164, Issue 6, Supplement, S-1314–S-1315, Published in issue: May, 2023