

Carolyn McIlree, MD, MPH
Medical Director, Opioid Treatment Programs
Addiction Medicine Specialist Physician
Instructor, Division of Addiction Medicine, Johns Hopkins School of Medicine
YesCare / Baltimore Pre-Trial Complex
Baltimore, Maryland
cmcilree@corizonhealth.com M: 860-709-3334

Education & Training

Addiction Medicine Fellowship, Caron-Reading Treatment Centers / Tower Reading Health, Wernersville, PA.
July 2018 – June 2019

Public Health and General Preventive Medicine Residency, Master of Public Health in Epidemiology (MPH), University of Maryland School of Medicine, Baltimore, MD.
July 2016- June 2018

Adult Psychiatry Internship
Hartford Hospital / The Institute of Living, Hartford, CT.
July 2011 – July 2013

Doctor of Medicine (MD), The University of Vermont College of Medicine, Burlington, VT.
May, 2011

Master of Arts (MA) in Psychology, Stony Brook University, Stony Brook, NY.
Scholarly Project “Capacity Limit in Object Working Memory: a functional Magnetic Resonance Imaging (fMRI) Investigation.”
May, 2004

Bachelor of Arts (BA), Multidisciplinary Studies in Psychology & Social Sciences, Stony Brook University, Stony Brook, NY. Graduated with Honors.
May, 2002

Board Certification

Addiction Medicine / American Board of Preventive Medicine
Active: 1/1/2020 - 12/31/2029

Public Health and General Preventive Medicine / American Board of Preventive Medicine
Active: 1/1/2019 - 12/31/2028

Licensure & Certifications

Maryland Board of Physicians, Physician-Medical Doctor
Pennsylvania Board of Medicine, Medical Physician and Surgeon

Professional Experience

2021-present: **Medical Director & Program Sponsor**, Opioid Treatment Programs, Baltimore Pre-trial Complex, Baltimore, MD. | YesCare

- Administer medical services performed by three OTPs (Baltimore Central Booking & Intake, Maryland Correctional Institute for Women, Metropolitan Transitional Center) and ensure OTP compliance with Federal, State, and local laws and regulations.
- Facilitate expansion of MAT access and re-entry services under Maryland House Bill 116 to include Methadone, Buprenorphine and Naltrexone for OUD.
- Utilize Lean Six Sigma approaches to improve quality & patient safety.

Professional Experience

2021-present: **Addiction Medicine Physician**, MedMark Opioid Treatment Programs, Baltimore, MD.

- Perform OTP admission intakes inclusive of Methadone and Buprenorphine prescribing, dose adjustments and chain of custody.

2022 – present **Instructor, Johns Hopkins University**

2020 – 2021: **Addiction Medicine Specialist Physician**, YesCare, Baltimore Pre-trial Complex, Baltimore, MD.

- Provide direct patient care to incarcerated individuals with Substance Use Disorders, including Opioid Use Disorder in its Opioid Treatment Programs using the opioid maintenance therapy, methadone

2019 - 2020: **Medical Director**, Pennsylvania Adult & Teen Challenge, Rehrersburg, PA.

- Onboarded buprenorphine maintenance and injectable naltrexone in the 3.5 level Program.
- Employed Lean / Six Sigma to improve workflow, infrastructure and patient safety.
- Onboarded Electronic prescribing, baseline laboratory testing, established community pharmacy partnerships, facilities upgrades.

2017-2018: **House Staff Officer**, Patient Safety & Quality Improvement, University of Maryland Medical Center. Baltimore, MD.

- Continuous Improvement Project Mentorship to residents.

2015 - 2016: **Manager**, Department of Histology, Miraca Life Sciences. Newton, MA.

- Led a team of sixty Histotechnologists, Lab Aides and Supervisors in daily operations of specimen processing in a high-volume, metric-driven, Anatomical Pathology laboratory.

2013 - 2015: **Supervisor**, Departments of Pathology Assistants and Mini Accessioning, Miraca Life Sciences, Newton, MA.

- Led a team of thirty Pathologist Assistants and Specimen Processing Clerks in daily operations using Lean / Six Sigma principles to improve workflow, quality and cost

2020 - present: **Preceptor**, Johns Hopkins Urban Primary Care & Addiction Medicine Residency, Baltimore, MD.

- Addiction Medicine clinical mentorship in Baltimore Central Booking & Intake Center.

Teaching

2018-19: **Trainer**, "Screening, Brief Intervention and Referral to Treatment." Caron Foundation, Baltimore, MD.

- Live & web-based professional training on Addiction and SBIRT use among youth.

2018-19: **Presenter**, Family Medicine Residency Training Program, Reading Hospital Tower Health, Reading, PA.

- Disease of Addiction MAT Addiction Interaction Disorder Chronic Pain & Addiction

Papers

Mcllree C, Lane H, Wan Y, Greene C, Hager E (2019). Wellness Team Stability and Local Wellness Policy Implementation: A Longitudinal Study. *American Journal of Public Health*. Vol 56(3) e75-e83.

Fung, MK, Balderama G, Chen P, Clay M, Dorsky S, **Mcllree C**, Sisemoore J, Stinnett-Donnelly J, Dembeck C, Nattress P, Carney J. (2008). "Are Lapsed Donors Who Last Donated After A Disaster Different from Lapsed Donors In General?" *Transfusion* 2008; 48 (supp): 38A-39A.

Ashtari M, Hasan K, Cervellione K, **Mcllree C**, Kester H, Ardekani B, Roofeh D, Wu J, Szeszko P, Kumra S (2007). White Matter Development during Late Adolescence in Healthy Males: A Cross-Sectional Diffusion Tensor Imaging Study. *NeuroImage*, 35: 501-510.

Ashtari M, Perrine K, Elbaz R, Syed U, Thaden E, Dolgoff-Kasper R, Clark T, Diamond A, **Mcllree C**, Ettinger A. (2005). Mapping the Functional Anatomy of Sentence Comprehension and Application to Presurgical Evaluation of Patients with Brain Tumor. *American Journal of Neuroradiology*, 26: 1461-8.

Posters / Presentation

Mcllree C, Muller S, Nahas-Vigon J. Treatment of Opioid Use Disorder in Carceral Settings. Oral presentation at The Maryland-DC Society of Addiction Medicine (MDDCSAM), March 2023.

Muhammad L, Connelly R, **Mcllree C**. Improving care in Medically Supervised Withdrawal using Lean Six Sigma. Oral presentation at 2022 National Conference on Correctional Healthcare, Atlanta, GA.

Deneke E, **Mcllree C**, Norton E. Electronic Nicotine Device Usage and Perception of Harm in Adolescents. Poster presented at 43rd conference of the Association for Medical Education and Research in Substance Abuse, November 2019.

Mcllree C, Gulati M, Chen H, Holcombe-Volpe C, Lane W, Patel D, Rowan-Braun. Doctor Sitting and Doctor Communication: A Retrospective Investigation Using Hospital Consumer Assessments of Healthcare Providers and Systems (HCAHPS) Survey Data
Chen H. Accepted for poster presentation at Prevention 2019, American College of Preventive Medicine Annual Conference, Pittsburg, PA.

Mcllree C, Lane H, Wang T, Greene C, Hager E. Wellness Teams and Local Wellness Policy Implementation: A Longitudinal Study. Presented at the Society of Behavioral Medicine 39th Annual Meeting; April 11-14, 2018; New Orleans, LA.

Trotman W, Madden M, Plante T, Clay M, **Mcllree C**, Bovill T. CADM1 plays a potentially important role in maintaining endothelial barrier function. *Poster presented at the Sixth Meeting of LINAT, University of Leuven, Belgium, May 2009.*

Ashtari M, Bregman J, Nichols S, **Mcllree C**, Spritzer L, Adesman A, Narain M, Ardekani, B. White Matter Abnormalities in High Functioning Autism Spectrum Disorder: A Combined Voxelwise and Tractography Analyses. *Poster presented at the American Society of Neuroradiology, New Orleans, June 2008.*

Ashtari M, Bregman B, Nichols S, **Mcllree C**, Adesman A, Spritzer L, Wu J, Narain M, Ardekani B. Gray Matter Abnormalities In Youth With ASD (High Functioning Autism And Asperger

Syndrome) Using A Novel Method Of Diffusion Based Morphometry. IMFAR, PS 4.67 page 146. *Poster presented at the International Meeting for Autism Research, Seattle Washington, 2007.*

Ashtari M, Bregman J, Nichols S, **Mcllree C**, Spritzer S, Adesman A. Gray Matter Enlargement in Children with High Functioning Autism and Asperger Syndrome Using a Novel Method of Diffusion Based Morphometry. **Poster presented at the RSNA 93rd Scientific Assembly and Annual Meeting, Chicago, Illinois, 2007.**

Ashtari M, Ardekani B, Wu J, **Mcllree C**, Kester H, Cervellione K, Chen S, Anderson B, Szeszko P, Kane J, Kumra S. Normal Development of the Left Arcuate Fasciculus in Late Adolescence Healthy Males: A Quantitative Tractography Evaluation. *Poster presented at the 12th annual meeting of the Organization for Human Brain Mapping, Florence, Italy, June, 2006.*

Ashtari M, Cervellione K, Wu J, Anderson B, Roofeh B, **Mcllree C**, Ardekani B, Szeszko P, Kane J, Kumra S. Gender Differences in Brain Morphology of Adolescents with Early-Onset Schizophrenia Using Diffusion Tensor Imaging. *Poster presented at the 12th annual meeting of the Organization for Human Brain Mapping, Florence, Italy, 2006.*

Ashtari M, Ardekani B, Wu J, Cervellione K, Anderson B, Kester H, Roofeh D, **Mcllree C**, Szeszko P, Kane J, Kumra S. Brain Morphometry in Adolescents with Early Onset Schizophrenia Using Apparent Diffusion Coefficient. *Poster presented at the 12th annual meeting of the Organization for Human Brain Mapping, Florence, Italy, 2006.*

Ashtari M, Hasan KM, Kester H, Ardekani B, Cervellione K, Wu J, **Mcllree C**, Szeszko PR, Kumra S. White Matter Development During Late Adolescence in Healthy Males: A Cross-Sectional Diffusion Tensor Imaging Study. *Poster presented at the 14th Scientific Meeting of the International Society for Magnetic Resonance in Medicine., Seattle, Washington, 2006.*

Ashtari M, Kumra S, Milanaik R, **Mcllree C**, Maytal J, Diamond A, Adesman A. Diffusion Tensor Imaging: MRI Detection of White-Matter Abnormalities in Children with ADHD. **Poster presented at the 59th Annual Meeting of the American Academy of Cerebral Palsy and Developmental Medicine, Orlando FL, 2005.**

Ashtari M, Hassan KM, Kester H, Ardekani B, Cervellione K, Wu J, **Mcllree C**, Szeszko PR, Kumra S. White Matter Development During Late Adolescence in Healthy Males: A Cross Sectional Diffusion Tensor Imaging Study. *Poster presented at the International Society of Magnetic Resonance in Medicine, 2005.*

Mcllree C, Christodoulou C, Melville P, Scherl WF, Morgan T, MacAllister W, and Krupp LB. Occupational functioning and mild cognitive impairment in multiple sclerosis. *Poster presented at 74th Annual Meeting of Eastern Psychological Association, Baltimore, MD, 2003.*

**Professional
Membership**

2018 - present: American Society of Addictions Medicine
2016 - present: American College of Preventive Medicine