

# Jefy M. Mathew, MD, FCCP

M A T H E W M E D I C A L C O N S U L T I N G

Pulmonary · Critical Care · Sleep Medicine | jefy@mathewmed.com | (832) 380-5339 | The Woodlands, TX

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## Curriculum Vitae

### PROFESSIONAL SUMMARY

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Baylor College of Medicine and Harvard-trained, board-certified specialist with over 23 years of clinical and institutional leadership experience. Recognized authority on standards of care in critical care, pulmonary, and sleep medicine. Extensive background in hospital governance, medical staff oversight and peer review, having served two elected terms as Chief of Staff. Expertise in clinical protocol development, credentialing, quality assessment, and complex medical causation analysis. Maintains active high-volume clinical practice with oversight of multi-provider pulmonary and sleep medicine group.

### AREAS OF EXPERT CONSULTATION

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**Pulmonary Medicine:** Asthma & COPD management, chronic cough, bronchiectasis, interstitial lung disease, occupational lung disease, inhalation injuries, pulmonary nodule evaluation, diagnostic delays, respiratory failure, biologic therapies

**Sleep Medicine:** Obstructive and central sleep apnea, OSA-related accidents and commercial driver fitness, narcolepsy and hypersomnia, circadian rhythm disorders, fatigue-related liability, CPAP adherence and complications, sleep laboratory operations

**Critical Care Medicine:** Sepsis and septic shock, ventilator management and weaning protocols, ARDS, multi-organ failure, ICU triage and resource allocation, shock states, critical care complications

**Hospital Governance & Standards of Care:** Medical staff credentialing and privileging, peer review processes, clinical protocol development, quality metrics and outcomes assessment, ICU operations and staffing standards, medical executive committee governance

### BOARD CERTIFICATIONS & LICENSURE

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**Pulmonary Disease**, American Board of Internal Medicine, *certified 2001 - present*

**Sleep Medicine**, American Board of Sleep Medicine, *certified 2003 - present*

**Critical Care Medicine**, American Board of Internal Medicine (*certified 2003-2023; maintenance voluntarily concluded*)

**Internal Medicine**, American Board of Internal Medicine (*certified 1999-2011; maintenance voluntarily concluded*)

**Texas Medical License**, active and unrestricted

### INSTITUTIONAL LEADERSHIP & STANDARDS OF CARE

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#### Trustee / Board Member

2007 to Present

*St. Luke's Health The Woodlands Hospital Board of Directors*

Inaugural board member with ongoing participation in governance, strategic planning, credentialing oversight, quality improvement, and hospital expansion initiatives.

#### Chief of Staff & Chair, Medical Executive Committee

2010–2011, 2019–2020

*St. Luke's Health The Woodlands & Springwoods Village Hospitals*

First physician elected twice to serve as Chief of Staff, leading governance for a high-acuity health system overseeing 500+ multidisciplinary physicians.

Standards of Care Authority: Chaired Medical Executive Committee in defining and enforcing clinical benchmarks, institutional protocols, and policies for patient safety and medical necessity.

Peer Review & Quality Oversight: Led Quality & Patient Safety Committee investigations into clinical outcomes, medical errors, and deviations from standards of care.

#### Vice-Chief of Staff & Chair, Credentials Committee

2008–2009, 2018–2019

*St. Luke's Health The Woodlands Hospital*

Directed vetting and privileging process for medical staff, ensuring rigorous adherence to board certification and competency requirements.

Analyzed physician performance metrics to mitigate institutional risk and ensure high-reliability healthcare delivery.

**Secretary, MEC & Chair, Quality & Patient Safety Committee**

2006–2007, 2016–2017

*St. Luke's Health The Woodlands Hospital*

Established quality metrics, led root cause analyses, and developed corrective action plans for adverse events and near-miss incidents.

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CLINICAL LEADERSHIP

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**Chief, Pulmonary & Critical Care Medicine Sections**

2014 to Present

*St. Luke's Health The Woodlands Hospital*

Oversees pulmonary and critical care service development, physician recruitment, advanced practice provider supervision, and strategic planning across multiple hospital campuses.

**Medical Director, Intensive Care Unit**

2003–2021

*St. Luke's Health The Woodlands Hospital*

18 years of operational and clinical leadership for a high-acuity closed ICU model serving a regional tertiary care facility.

Developed the region's first closed-ICU exceeding IHI/Leapfrog standards with 24/7 intensivist and advanced practice provider coverage.

Established evidence-based ventilator liberation protocols, sepsis bundles, multidisciplinary rounding standards, and ICU triage criteria.

Transitioned to outpatient-focused practice in 2021 to concentrate on complex pulmonary and sleep medicine.

**Medical Director, Sleep Laboratory & Respiratory Care Department**

2015–2021

*St. Luke's Health The Woodlands Hospital*

Provided operational oversight of AASM-accredited sleep laboratory and respiratory care services, including protocol development, quality assurance, and staff education.

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CURRENT CLINICAL PRACTICE

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**Pulmonary & Sleep Medicine**

2003 to Present

*Respiratory & Sleep Disorders Specialists*

Maintains active high-volume clinical practice with oversight of multi-provider pulmonary and sleep medicine group. Clinical expertise encompasses evaluation and longitudinal management of the full spectrum of pulmonary and sleep-related disorders including patients with complex cardiopulmonary comorbidities. Provides medical oversight of AASM-accredited sleep laboratory with extensive experience in positive airway pressure therapy selection, titration, adherence assessment, and management of therapy-related complications. Clinical practice includes interpretation of pulmonary function testing, thoracic imaging, and diagnostic sleep studies. Ongoing active involvement in clinical research trials.

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EDUCATION & TRAINING

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**Sleep, Circadian Rhythm & Respiratory Neurobiology Fellowship**

2001–2003

*Brigham & Women's Hospital, Harvard Medical School*

**Pulmonary & Critical Care Medicine Fellowship**

1999–2001

*Harvard Medical School Affiliated Hospitals*

**Internal Medicine Residency**

1996–1999

*Baylor College of Medicine Affiliated Hospitals*

**Doctor of Medicine**

1992–1996

*Baylor College of Medicine*

Outstanding Medical Student Award & Alpha Omega Alpha Honor Society

**Bachelor of Science: Biology, Chemistry Minor**

1988–1992

*University of Houston Honors College*

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