

JIYA JACOB

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CAREER OBJECTIVES

Challenging and rewarding position in a growth-oriented organization, offering diverse job responsibility, and will fully utilize both my clinical, academic and research abilities.

Education

B.SC RESPIRATORY THERAPY | 2018 | MANIPAL UNIVERSITY

- College: School of allied health science, Manipal
- Course: B.Sc respiratory therapy
- Board: Manipal Academy of Higher Education

HIGHER SECONDARY | 2014 | KERALA HIGHER SECONDARY

- College: St Clare's, Convent Girls Higher Secondary School
- Major: Science
- Percentage: 92%

TENTH| 2012| BOARD OF PUBLIC EXAMINATION, KERALA

- School: Deepthi HS Thalore.
- Percentage: 94%

PROFESSIONAL EXPERIENCE

- Practice as an intern in Kasthurba Hospital Manipal under the department of Respiratory Therapy since 1st August 2018 to 30th November 2019 (4 Months)
- Out hospital posting: T M A Pai Hospital, Udupi (15 days).
- Out hospital posting: KMC Hospital, Mangalore 1st December 2018 to 31st January 2019 (2 Months).
- Practicing as an intern in VPS Lakeshore Hospital, Kochi under the department of Critical Care since last six months

PROFESSIONAL SKILLS:

➤ Cases dealt-

- Respiratory diseases
- Cardiac cases
- Poisoning cases
- Hanging cases
- Neurology cases
- Neonatal Respiratory diseases
- Road traffic accident/ Burns
- Nephrology cases
- Post-operative cases
- Emergency/Trauma cases

➤ Clinical exposure in the following intensive care units (ICU) and ward:

- Cardiac ICU
- Trauma triage and Emergency triage
- Multidisciplinary ICU
- Medical ICU
- Neuro ICU
- Casualty ICU
- Neonatal ICU and Pediatric ICU
- Pulmonary medicine ward and PFT

Equipment Handled: -

- Mechanical ventilator
- Pulse oximeter
- Oxygen therapy devices
- Cardiac monitors
- Defibrillator
- Automated external defibrillator

- Pulmonary function testing equipment
- Oxygen analyzers
- Suction pump
- Arterial BP transducer
- Capnometers
- Incentive spirometry
- Ultrasound

Skills performed: -

- Baseline assessment of patients with history taking, Monitoring of vital signs.
- Bronchodilator therapy (nebulizers, meter dose inhalers and Ultrasonic nebulizers) to provide nebulization and inhaler therapy for ventilated and non-ventilated patients.
- Oxygen Therapy: Use of all oxygen therapy devices, proper handling and care of devices, monitoring of requirement of oxygen and weaning.
- Endotracheal intubation: Intubation procedure, Assisting intubation and endotracheal suctioning.
- Tracheostomy: Assisting tracheostomy and tracheostomy care.
- Mechanical ventilation: Calibration, Initiation of mechanical ventilation in every respiratory disease in adults, neonates and pediatrics.
- Making necessary ventilatory changes according to the conditions, trouble shooting, weaning from mechanical ventilation and use of all conventional and unconventional mode of ventilation.
- To maintain respiratory monitoring sheet for all patients on mechanical ventilation changes in ventilatory parameters to be done after consultation.
- Arterial blood gas: Procedure of arterial blood gas sampling, Interpretation of Arterial blood gas and treatment planning.
- Airway maintenance (placement of artificial airways) and care of ICD tube, special airways.
- Pulmonary function testing: Testing and Interpretation of results.
- Principles and use of the pulse oximeter, capnometer, oxygen analyzer, defibrillator.

- Be a part of code blue, basic life support and advanced cardiac life support.
- Make emergency visits to resolve equipment problems in hospital premises.
- Chest X-ray and ECG interpretation.
- Endotracheal extubation: extubation of endotracheal tube.
- Ultrasound: Lung ultrasound and airway ultrasound.
- Basic and advanced cardio pulmonary resuscitation and to assist the duty doctor during CPR of patients in the ICU.
- Non-invasive ventilation like BIPAP, CPAP
- Bronchial hygiene therapy including aerosolized medication humidified medical gas therapy, steam inhalation, postural drainage, percussion, chest vibrations, deep breathing exercises, airway suctioning and artificial cough maneuvers.
- Proper use of noninvasive mechanical ventilation, weaning and trouble shooting.
- Assisting bronchoscopy.
- Part of pulmonary rehabilitation, patient education, smoking cessation.
- Educate patients and their families about their conditions and teach appropriate disease management techniques, such as breathing exercises and the use of medications and respiratory equipment
- Work as part of a team of physicians, nurses and other health care professionals to manage patient care.

WORKSHOPS/ SEMINARS ATTENDED:

1. Attended World respiratory care week celebration conducted on 25th October 2015
2. Attended and certified BLS and ACLS course at Manipal on 25th September 2017.
3. Attended RESCARE'17(National Conference of Indian Association of Respiratory care (IARC).) at Kochi held from 06th to 08th October 2017

PROJECTS AND PRESENTATIONS:

1. Project and presentation on **Pulse Oximetry: Advantages and Trouble shooting** under the guidance of Mr. Sreeprasad and Mr. Ramesh Unnikrishnan in 2016.
2. Project and presentation on **Dysnea and its management, Scales of Measuring Dysnea** under the guidance of Mrs. Akhila Baby and Mr. Ramesh Unnikrishnan in 2017.
3. Project and presentation on **Mandatory Minute Ventilation, Automatic tube Compensation, Proportional Assist Ventilation** under the guidance of Mr. Louis and Mr. Ramesh Unnikrishnan in 2017.

COMPUTER SKILLS:

Basic skills including Microsoft word, excel, Hospital Information System (HIS) Software, Internet, Other Computer Applications.

REFERENCES

- **Dr. B Rajashakar**
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Manipal Academy of higher education
E-mail: b.raja@manipal.edu
- **Dr. Anitha Shenoy**
Professor and Head of Department of Anesthesiology,
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- **Mr. Ramesh Unnikrishnan**

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- **Dr. Mohan A. Mathew**

Senior Consultant ,

Director and HOD

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- **Dr. Nitha George**

Senior Consultant Intensivist and Anesthesiologist

Lakeshore Hospital, Kochi

9633726835

DECLARATION:

I, Jiya Jacob, hereby declare that all the above mentioned details are true to the best of my knowledge and belief.

Yours faithfully

Jiya Jacob