



Humidification in the Intensive Care Unit: The Essentials

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Humidification in the Intensive Care Unit: The Essentials From Springer

Inadequate humidification of inspired gases can cause a variety of serious problems, and humidification has accordingly become an important aspect of modern intensive care medicine. This book is designed to serve as a practical guide for clinicians, providing information on the theoretical background of humidification, the equipment, and its optimal use. The book starts by examining the physiological basis of humidification. Current devices are then discussed, with careful attention to factors influencing their performance and methods to evaluate their effectiveness. The two scenarios of mechanical and non-mechanical ventilation are considered, and the issue of ventilator-associated pneumonia is addressed in detail. Further chapters focus on such topics as humidification following tracheostomy, humidification of the artificial airway during secretion management, measurement of inspired gas temperature in the ventilated neonate, and humidification in the home care setting.

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Editorial Review

From the Back Cover

Inadequate humidification of inspired gases can cause a variety of serious problems, and humidification has accordingly become an important aspect of modern intensive care medicine. The array of available devices is now formidable, and appropriate advice on their use is essential. Accordingly, this book is designed to serve as a practical guide for clinicians, providing information on the theoretical background of humidification, the equipment, and its optimal application.

The book starts by examining the physiological basis of humidification. Current devices are then discussed, with careful attention to factors influencing their performance and methods to evaluate their effectiveness. The two scenarios of mechanical and non-mechanical ventilation are considered, and the issue of ventilator-associated pneumonia is addressed in detail. Further chapters focus on such topics as humidification following tracheostomy, humidification of the artificial airway during secretion management, measurement of inspired gas temperature in the ventilated neonate, and humidification in the home care setting.

This unique monograph on the current techniques of humidification and their indications has been written by internationally acclaimed experts and will prove of great value to practitioners.

About the Author

Antonio M. Esquinas, MD, PhD, is President of the International Association of Non-Invasive Mechanical Ventilation.

Users Review

From reader reviews:

Michelle Pacheco:

Nowadays reading books are more than want or need but also turn into a life style. This reading addiction give you lot of advantages. The advantages you got of course the knowledge your information inside the book this improve your knowledge and information. The info you get based on what kind of publication you read, if you want attract knowledge just go with education and learning books but if you want truly feel happy read one together with theme for entertaining such as comic or novel. Typically the Humidification in the Intensive Care Unit: The Essentials is kind of book which is giving the reader capricious experience.

Jennifer Vickery:

Spent a free the perfect time to be fun activity to accomplish! A lot of people spent their leisure time with their family, or their own friends. Usually they performing activity like watching television, planning to beach, or picnic from the park. They actually doing same thing every week. Do you feel it? Would you like to something different to fill your personal free time/ holiday? Could be reading a book might be option to

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Katie Cardiel:

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Estela Gillard:

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