

Noninvasive Mechanical Ventilation

Theory, Equipment, and
Clinical Applications

Antonio M. Esquinas
Editor

Third Edition

 Springer

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Murcia, Spain

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Preface

The 3rd edition of “**Noninvasive Ventilation, Theory, Equipment and Clinical Practice**” was born 6 years ago as a written reference on the three fundamental aspects that define an adequate and complete vision of noninvasive ventilation. This book has been able to achieve a 3rd edition, thanks to all the researchers and scientific contributions that continue to confirm that noninvasive ventilation remains one of the major advances in clinical practice, of a multidisciplinary scope and of major contribution to the improvement of the most common and atypical situations of chronic acute respiratory failure in the pre-hospital, hospital and home care setting.

In this 3rd edition, there is a selection of the most important controversial top topics of the past two years, since together with a valuable panel of authors, the concept of noninvasive ventilation in a wide variety of situations has been analyzed.

The reader who is new to noninvasive ventilation and a senior of this technique can find a solid and well-defined reference on the definition, equipment advances (ventilatory modes, interpretation of noninvasive ventilation-asynchrony; mask interfaces technology), advances in monitoring, indications, classes and emerging indications of noninvasive ventilation.

The book encompasses and structures the concepts in specific sections and chapters, linked for a correct conclusion of noninvasive ventilation.

The index offers a sequence of concepts and applications from physiology and pathophysiology, physical basis of the equipment and ventilatory modes. In the section on clinical indications, there is a logical sequence of all possible indications in the hospital setting. Finally, the book concludes with a section on prognosis, ethical aspects, and quality of life of the patient, which allows a global vision and application of noninvasive ventilation.

Murcia, Spain

Antonio M. Esquinas

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To all the authors who gave their time and made this 3rd edition possible.

To our patients, the essence of the realization of this book.

To our families

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