

# Hospital Healthcare Europe 2019

## CONTENTS

### HOPE

#### [Hospitals in Europe: Healthcare data](#)

The figures given in the present document are providing the most updated comparative picture of the situation of healthcare and hospitals, compared to the situation in 2006

#### [EU hospitals and healthcare services](#)

HOPE representatives provide information on the last hospital and/or healthcare reforms implemented in their countries in the last five years and on the elements on the impact of such reforms

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### Cardiovascular

#### [Targeted temperature management for cardiac arrest](#)

This review aims to look at the theory behind targeted temperature management and how it is applied clinically, with attention to new research in this field and its impact on patient survival and neurological recovery

#### [Cardiac biomarkers: identification and innovation](#)

With candidates identified from different pathophysiological pathways, new technologies for measurement and more perspectives of data integration, transformation is occurring in the field of cardiac biomarkers

#### [2018 Universal Definition of Myocardial Infarction](#)

This article summarises the key messages from the Fourth Universal Definition of Myocardial Infarction

## Advanced management solutions for calcified lesions

In an ageing and comorbid population with a high incidence of severely calcified coronary and peripheral lesions, advanced debulking techniques are frequently necessary in order to offer optimal interventional and endovascular treatment results

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## Emergency care

### Pharmacist impact on Parkinson's disease-related care in the ED

A research study has shown that pharmacists have a vital role in early identification and reconciliation of medications in Parkinson's disease patients and this has the potential to prevent deterioration and prevent further morbidity in this patient profile

### Waveform-based management of patient-ventilator synchronisation

A good knowledge of standard ventilator waveforms allows physicians to manage patient-ventilator interaction at the bedside without the use of special technologies

### Sponsored: ZOLL RescueNet CodeNet for data insights to improve patient care

Delivery of high-quality CPR is the cornerstone of all efforts to improve outcomes from sudden cardiac arrest. Debriefing is considered to be an essential component of every cardiac arrest resuscitation effort.

### End of life care for the older patient in the ED

Few would dispute the importance of end of life care for patients and their families, but it is clear from the literature that in emergency departments, it is not always as good as it needs to be

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## Haematology and oncology

### MRI-guided radiotherapy: A real time, personalised treatment method

Using data from online MR guidance, we will be able to image biomarkers during treatment and thus be able to adapt the plan or even change the treatment intent based upon real-time data

### Cytotoxic handling: isolators versus cabinets?

Cytotoxic chemotherapy is synonymous with a narrow therapeutic index, severe adverse effects for patients and occupational exposure risks for pharmacy and nursing staff

## Calling attention to colorectal cancer

Colorectal cancer is Europe's second biggest cancer killer, claiming the lives of nearly 200,000 people across the continent each year.

## New challenges for aseptic drug preparation

Notwithstanding the need for contingency planning, the use of automation seems to be the natural next step forward for a safer and more efficient compounding of hazardous medicines

## Chemotherapy dose standardisation and optimisation

Standardisation of doses of intravenous chemotherapy agents was initially proposed to improve pharmacy capacity and reduce medication errors and wastage; however, further optimisation of the administration of anticancer drugs can potentially contribute to a more efficient oncology unit

## Sponsored: Pioneers in solid tumours: A spotlight on Janssen Oncology

Dr Joaquín Casariego discusses Janssen's solid tumour portfolio and pipeline, highlighting their commitment to improving outcomes in the solid tumour space

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## Pathology and diagnostics

### Sponsored: EliA rheumatic disease tests

Best-in-class diagnostics that make a measurable difference to the management of patients with rheumatic diseases

### Sponsored: The benefits of working with the global leader in diagnostics to support the diagnosis of allergic and autoimmune diseases

Best-in-class portfolio, providing results you can rely on<sup>1-24</sup>

### Beyond diagnosis and classification: 'the tissue is the issue'

In oncology immunotherapy, as in targeted therapy, the era of 'one size fits all' is past and the day-to-day work of pathologists is changing dramatically

### Traceability in laboratory medicine: what is it and why is it important?

Reducing the between-method variability in laboratory medicine is required to improve patient outcomes and traceability to global reference materials and reference methods enables manufacturers to deliver methods that give equivalent results

## [Patient dosimetry audit for nuclear medicine and radiotherapy planning CT](#)

Auditing patient doses can and should be done, but with care to ensure that all of the contributing factors are fully considered

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## Respiratory

### [Long-term macrolides in respiratory care](#)

The British Thoracic Society will soon publish its guidance on the long-term use of macrolide antibiotics in respiratory disease. This article outlines the recommendations, evidence base and implications for practitioners

### [Bronchoscopic thermal ablation for emphysema](#)

This article focuses on bronchoscopic thermal vapour ablation, which uses heated water vapour to produce a thermal reaction that leads to an initial localised inflammatory response followed by permanent fibrosis and atelectasis

### [COPD: overview of updated NICE guidance](#)

The guidance addresses many current clinically relevant issues in the diagnosis and management of patients with COPD but acknowledges that evidence is still lacking or unclear in some areas, leading to recommendations for research

### [Targeted lung denervation in severe asthma](#)

Introducing a novel minimally-invasive treatment for obstructive airways disease and the rationale for its application in patients with severe asthma

### [Endoscopic lung volume reduction in COPD](#)

In recent years, minimally invasive endoscopic lung volume reduction methods have become an important option in the treatment of COPD patients with an emphysema phenotype

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## Rheumatology

### [Sponsored: EliA rheumatic disease tests](#)

Best-in-class diagnostics that make a measurable difference to the management of patients with rheumatic diseases

### **How to assess systemic lupus erythematosus in clinical care**

Physicians involved in the care of SLE patients need easy to use, replicable and practical evaluation tools. These can help in all disease phases, from diagnosis through to the occurrence of flares, comorbidities, or even pregnancy

### **Rheumatoid arthritis in adults: updated NICE guidelines**

In July 2018, the National Institute for Health and Care Excellence (NICE) published revised guidelines for the management of rheumatoid arthritis (RA) disease in adults.<sup>1</sup>

### **Diagnosis and management of prosthetic joint infections in rheumatoid arthritis**

This article reviews the epidemiology, pathogenesis, investigation and management of prosthetic joint infections in patients with rheumatoid arthritis

### **Managing bone and joint infections in rheumatological disease**

This review aims to highlight and address the challenges in presentation, investigation and management of septic arthritis and vertebral osteomyelitis in adults treated with biologic therapies