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## Preface

Very little in the care of total joint arthroplasty remains as devastating and vexing a problem as dealing with periprosthetic joint infection. There remain significant diagnostic and treatment hurdles in the prevention and cure of this entity. We are continually faced with more challenges, more resistant microbes, and less healthy host that require total joint arthroplasty. In addition, the economic impact of such treatment remains a tremendous burden to our healthcare system. All indicators point to an ever increasing burden of periprosthetic infection in our total joint arthroplasty population.

We are also at a time in the history of periprosthetic joint infection, where technology is offering us new insights into the prevention, diagnosis, and treatment of periprosthetic infection, where leading researchers and clinicians are working diligently to improve the outcomes of our patients faced with periprosthetic infection.

Despite these advances, there remains little consensus in many areas of periprosthetic infection. We hope that the work put forth in this book, by many of the thought leaders in periprosthetic infections, can serve as the reference for periprosthetic joint infection. The literature and data remain ever changing, but the foundation and principles of treatment remain the same.

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