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Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID-19. The COVID-19 resource centre is hosted on Elsevier Connect, the company's public news and information website.

Elsevier hereby grants permission to make all its COVID-19-related research that is available on the COVID-19 resource centre - including this research content - immediately available in PubMed Central and other publicly funded repositories, such as the WHO COVID database with rights for unrestricted research re-use and analyses in any form or by any means with acknowledgement of the original source. These permissions are granted for free by Elsevier for as long as the COVID-19 resource centre remains active.

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### Response to Letter to the Editor on “Digital Orthopedics. A Glimpse Into the Future in the Midst of a Pandemic”



#### To the Editor:

The authors of our article titled “Digital Orthopedics: A Glimpse Into the Future in the Midst of a Pandemic” published in this journal in April 2020, are grateful to Prof Vaishya and his colleagues for their thoughtful Letter to the Editor.

We agree that ours was not an exhaustive list of the technologies that are transforming our ability to care for orthopedic patients. Rather, our paper was focused on those technologies that proved to be beneficial specifically when applied to providing musculo-skeletal care in the context of the current COVID-19 pandemic.

Cloud computing and the next step, Edge computing, are very powerful tools, particularly when it comes to augmenting human intelligence (not replacing it). The blockchain, precisely because it can create an immutable and traceable database, has the potential to bypass the challenges of electronic health record interoperability and accelerate the dawn of the personal health record. The Internet of Things and what many are now calling the Internet of Medical Things will create links between devices that will massively multiply our ability to capture data and support increasingly accurate treatment algorithms.

And of course, artificial intelligence, the basis for the next industrial revolution, and all its subdivisions such as machine learning, natural language processing, voice recognition, and sentiment analysis will not bypass orthopedics. Neither will applications in Fin-Tech; Virtual, Augmented, and Mixed Reality; and the inevitable confluence between Regenerative Medicine, Biotechnology, and Digital Health.

We agree that there is much to be excited about in the space we term Digital Orthopedics on a global scale.

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Dr Dustin J. Schuett, DO required Navy Disclaimer.

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### Letter to the Editor on “In the Era of Tranexamic Acid, Are Type and Screens for Primary Total Joint Arthroplasty Obsolete?”



#### Dear Editor

We read with much interest the article entitled “In the Era of Tranexamic Acid, Are Type and Screens for Primary Total Joint Arthroplasty Obsolete?” by Vestermark et al, (2020) published

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