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The future of medicine is now: Nanotechnology

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Many healthcare professionals are not aware of nanomedicine and how it can transform healthcare practices. Many are not given the opportunity to learn the basics of nanotechnology, specifically, in nanomedicine and how it can apply to their practices, businesses, and health. The purpose of this presentation is to give an introduction of nanotechnology and a basic understanding of its various purposes in modern medicine. It will provide an understanding of the functionality and characteristics of nanoparticles and how these details can be manipulated to enhance nanoparticle functions in general therapeutic applications. This presentation will also examine current drugs on the market and future possibilities with nanomedicine. For instance, applications of nanoparticles towards regenerative medicine can improve tissue engineering and ease the effects of diseases like osteoarthritis. In addition, targeted drug delivery systems using nanomedicine can be a solution to current conventional drug delivery options. As healthcare professionals are introduced to new ideas and methods in nanomedicine, they can understand what's possible for their practice and provide the best care possible to their patients.

Conclusion & Significance: Many healthcare professionals are not aware of nanomedicine and its possibilities for the future of medicine. A basic understanding of nanotechnology on general therapeutic applications such as targeted drug delivery systems and regenerative medicine can transform current healthcare practices and provide professionals with tools to advance patient care.

Biography

Dammy Oshodi is a student at the University of South Florida, receiving her Masters in Pharmaceutical Nanotechnology. With a background in Biology and Communication Arts, Ms. Oshodi has made it her duty to make the complexities of science digestible to all people. Dammy is not only a student but the creator of a podcast and online community called The Planter which focuses on helping millennials grow into the best version of themselves. She is also the owner and creator of Made For Nano, a platform that helps educate people on the importance of nanomedicine, create opportunities to network with other nanomedicine enthusiasts, and foster relationships to create greater collaborations within the field.

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