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Introduction

Nanotechnology is defined as an application of scientific knowledge of materials, physics and chemistry in nanotechnology (1-100 nm) in specific functions at the cellular, atomic and molecular level [1]. Nanotechnology can be a new physical and chemical characteristic, demonstrating high stability, efficiency and better ability than original compound [2]. The application of nanotechnology generated the new field of nanobiotechnology, which is a central role in disease diagnosis, drug development and delivery [3]. It holds a major role in animal health, human medicine and animal production and has a key role in the development of the new medicine of drug delivery system which is designed to meet the self-regulated, targeted and effective drug delivery of disease. Moreover, nanotechnology includes the new application of diagnosis and treatment of disease, especially in regenerative medicine [4]. Currently, employing nanotechnology in medicine to address drug delivery, high efficiency, better specific effect on cancer cells [5]. Nanotechnology is applied in the diagnosis of FMD which is a zoonotic disease and the human has had evidence in United Kingdom,

Discussion

Nanotechnology is playing a major role in the field of medicine and health care [10,15], including drug delivery, diagnosis, and therapy [22]. The application of nanotechnology in medicine is expected to revolutionize the way we diagnose and treat diseases [13,14]. However, the use of nanotechnology in medicine is still in its early stages [8]. On the other hand, nanotechnology could have a negative impact on human health, such as kidney and liver damage, kidney failure, and increased risk of cancer [22].

Finally, nanotechnology is a promising field in medicine and health care, but it still has many challenges and needs more research and development.

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