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Editorial

Bone Surgery, Tissue and Function Repairs

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Abstract

Bone surgery continues to improve. A lot of new ideas and techniques are success in the clinical trials. This editorial highlights some new trends in the future.

Keywords: *Bone Surgery; Tissue; Function Repairs*

Introduction

Bone fracture and pain symptoms are often met in most people [1-8]. In addition, many other bone materials and technology draw attention of healthcare study [3-6]. New therapeutic ideology and technical capability are proposed to improve bone disease treatment.

More recently, new biomedical problems are emerged in bone surgery. In this editorial, we will discuss bone surgery for tissue repair, materials and techniques.

Major function

Bone surgery varies greatly in protocol, materials and techniques. In search for new solutions for bone surgery, cutting-edge technology utility is the main choice [9-14].

Tissue repair

The major bone surgery is to repair, fixing and replace the injured bones. These therapeutic protocols and options vary greatly. We do not intend to repeat it here.

Material discovery

In two decade ago, bone replacement is difficult to perform due to technical limitation. Entering into this millennium, more materials are introduced. In the future, cheaper, functional and biological materials can be widely used.

Techniques

Growing number of techniques are invented, such as 3-D printer, artificial intelligence [11-13]. We shall adhere with these kinds of medical merge of both technology and disciplines as a future trend. Given with this new trend, we may achieve something new in bone anatomy and surgery [15,16].

Discussion

Bone surgery has a lot of different options. Novelty will be sought from different medical approaches. Excellence tissue and functional repairs will be future trends.

Conclusion

In summary, bone surgery study and application will enter into new era with biomedical knowledge enrichments and modern techniques. In order to do so, integration is the key.

Bibliography

1. Melton J. "Hip fracture; a worldwide problem today and tomorrow". *Bone* 14 (1993): S1-S8.
2. Lu DY and Che JY. "Osteoporosis treatments". *Clinical Biotechnology and Macrobiology* 3.2 (2019): 612-614.
3. Lu DY., *et al*. "Osteoporosis in old women, therapeutic selection". *EC Orthopaedics* 9.7 (2018): 386.
4. Choudhary D and Alam A. "Anti-osteoporotic activity of bioactive compounds from Iris germanica targeting NK-Kappa B". *EC Pharmacology and Toxicology* 6.8 (2018): 665-678.
5. Pili FG., *et al*. "Osteosarcopenia; A genriatric syndrome". *EC Orthopaedics* 9.10 (2018): 741-754.
6. Marks R. "Vitamin E and osteoarthritic cartilage: Does vitamin E influence cartilage integrity?" *EC Orthopaedics* 10.5 (2019): 281-294.
7. Patel S. "Conservative pain management". *EC Orthopaedics* 9.8 (2018): 621-623.
8. Lu DY., *et al*. "Osteoporosis, importance for early diagnosis and treatment". *EC Orthopaedics* 9.9 (2018): 624-625.
9. Lu DY., *et al*. "Bone disease recovery strategies, An overview". *EC Orthopaedics* 10.1 (2019): 1-3.
10. Araujo JL. "The role of the orthopedic surgeon in preventing low back pain chronification". *EC Orthopaedics* 9.12 (2018): 809-812.
11. Harsini SM and Oryan A. "Bone grafting and the materials for using in orthopaedics". *EC Orthopaedics* 9.12 (2018): 822-833.
12. Lu DY., *et al*. "3 D print for bone replacement and design". *EC Orthopaedics* ECO.02 (2019): 1-2.
13. Lu DY., *et al*. "Bone replacement by 3-D printing". *EC Clinical and Experimental Anatomy* 2.8 (2019): 391-393.
14. Moore N and Slater GL. "Surgical technique update: Slater modification of minimally invasive brostrom reconstruction". *EC Orthopaedics* 10.5 (2019): 308-314.
15. Xu B., *et al*. "Application of different patella height induces in patients undergoing total knee arthroplasty". *Journal of Orthopaedic Surgery and Research* 12.1 (2017): 191.
16. Lu DY., *et al*. "Bone surgery with bone anatomy analysis". *EC Clinical and Experimental Anatomy* 3.1 (2020): 1-4.

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