“Bone regenerative medicine approaches: different culture backgrounds but similar strategies”

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In Europe and China, regenerative medicine is a longstanding medical topic with modern implications.

Over the past 20 years, the remarkable advancements in genetics, developmental and stem cell biology, and tissue engineering have increased the common understanding of regenerative medicine and promoted the field of clinical therapeutics.

In China, the synergy of these disciplines has enabled the field of tissue regeneration to become one of the most active in medical research and practice, as evidenced by the significant increase of scientific papers in this field.

**METHOD**

- Analysis of scientific publications from 2001 to 2015 in Europe and China
- Data analysis in databases of peer-reviewed literature (Institute for Scientific Information Web of Science and Elsevier's Scopus).
- Keyword searches in the expanded citation index:
  - Bone regenerative medicine was used as a topic search term, results were segmented by:
    - human (50% of scientific papers published
    - author’s country.
CHINA AND EUROPE TAKING CARE OF HEALTHCARE SOLUTIONS

4,145 Published Items in Each Year

396 Published Items in Each Year

1,257 Published Items in Each Year

Citations in Each Year

Citations in Each Year

Citations in Each Year

The latest 20 years are displayed.
CONCLUSIONS

• Both Europe and China were able to catapult themselves into the forefront of bone regenerative medicine.

• Our analysis evidenced a significant increase in scientific production in China even its worldwide diffusion is still lacking.

• Despite China was facing on the subject relatively late, it is bridging this gap very rapidly