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REVIEWER'S REPORT

Manuscript No.: IJAR-59807

Title: Restoring Form and Function: A Retrospective Study of Mandibular Defect Reconstruction.

Recommendation:

Accept as it is .....

Accept after minor revision.....

Accept after major revision .....

Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality		Good		
Techn. Quality		Good		
Clarity		Good		
Significance		Good		

Reviewer's ID: Dr. Sumathi

Detailed Reviewer's Report

1. **Mandibular reconstruction is a major surgical procedure used to rebuild a damaged or missing lower jawbone (mandible) using bone grafts, microvascular free flaps, or metal plates. Its main goals are to restore facial symmetry and allow a patient to chew, swallow, speak, and breathe normally.**
2. **Mandibular defects are structural losses or disruptions of the lower jaw (mandible) caused by tumor resections, severe facial trauma, osteomyelitis, osteoradionecrosis, or congenital conditions. They significantly impair chewing (mastication), swallowing, speech, and facial appearance.**
3. **Mandibular defects are missing segments of bone and soft tissue in the lower jaw. They most often result from tumor removal, severe trauma, osteoradionecrosis (radiation-induced bone death), osteomyelitis, or congenital conditions. Because the lower jaw supports chewing, swallowing, speech, airway stability, and lower facial contour, defects here significantly impact daily function and appearance.**

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4. **A fibula free flap is a surgical procedure that transplants a segment of the fibula bone (the smaller bone in the lower leg) along with its blood supply, and sometimes skin or muscle, to reconstruct major bone and soft-tissue defects elsewhere in the body.**
5. **A fibula free flap is a microsurgical procedure where a surgeon removes a section of the fibula (the smaller, non-weight-bearing bone in the outer lower leg) along with its blood supply—and sometimes overlying skin and muscle—to rebuild large bone defects elsewhere in the body.**
6. **An iliac crest bone graft (ICBG) is a surgical procedure where bone is harvested from the top ridge of your pelvic bone (the hip bone) to repair or fuse bones elsewhere in the body. It is widely considered the "gold standard" for bone grafting because it uses your own tissue (an autograft), eliminating the risk of immune rejection and providing all three elements needed for optimal bone healing.**
7. **Oral and maxillofacial surgery is a specialized surgical field that bridges medicine and dentistry to diagnose and treat diseases, injuries, and defects affecting the mouth, teeth, jaws, face, and neck.**
8. **"Restoring form and function" is a foundational principle across medicine, dentistry, and engineering that focuses on rebuilding both the physical structure (form) and the practical performance (function) of an injured, diseased, or damaged system.**
9. **Retrospective clinical studies on mandibular defect reconstruction consistently demonstrate that vascularized free tissue transfer—specifically the free fibular flap—yields the highest long-term success and lowest bone resorption rates.**
10. **Key words are good.**
11. **Very less information are given. Should be added more information.**
12. **Result part can be made tables with graphs.**
13. **Summary points also be included.**
14. **References can be aligned in alphabetical order.**
15. **After those changes good to publish in your journal.**