

論文審査の結果の要旨

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<p>(論文審査の結果の要旨)</p> <p>By concluding experts' experiences and a thorough survey of the English literature, we were able to study the reconstructive knowledge gap. If there is an available watertight robust barrier that is enough to withstand postoperative adjunctive radiation and chemotherapy, applicable for irregular-deep-critical bone defects, efficiently evaluated with neuroimaging, simple in its technique, without donor site complications and can be considered as a good endoscopic reconstructive alternative, it will be a great advantage. We selected a well-known malleable osteoconductive material, which became a robust barrier within a few minutes that has good biocompatibility and can survive avascular environment. Herein, we introduce the watertight robust osteoconductive barrier (WRO-barrier) for cranial base reconstruction as an alternative durable option and we will discuss its distinct qualities and limitations.</p> <p>In conclusion</p> <ol style="list-style-type: none">1. WRO-barrier is as an osteoconductive watertight robust design for endoscopic cranial base reconstruction.2. WRO-barrier can contribute in decreasing the CSF leak rate.3. WRO-barrier can be considered as a promising alternative durable option for designated patients with complex/invasive skull base tumours that require aggressive removal (with large defect) and postoperative adjunctive chemo-radiotherapy (avascular environment).4. WRO-barrier tolerates an exceedingly high (55 cmH₂O) pressure and remains in its position to maintain watertight seal even under stressful conditions.5. WRO-barrier can be simply removed and reconstructed when redo-surgery is needed. <p>Based on our results, WRO-barrier can be considered as an effective new option for complex skull base reconstruction following expanded endoscopic endonasal skull base surgeries</p> <p>The chief and sub-investigators concurred and acknowledged this paper as worthy as a thesis.</p> <p>これらの結果より、WRO バリヤーは、拡大経鼻頭蓋底手術で新たな頭蓋底再建法の一つとして有効なオプションになりうると考えられた。</p> <p>主査、副査は一致して本論文を学位論文として価値があるものと認めた。</p>			