

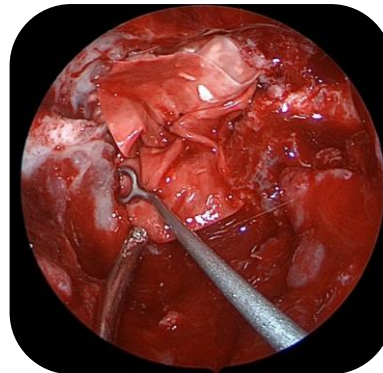
Cerafix[®] Dura Substitute Facilitates Effective Closure of Dural Defect in Endoscopic Transphenoidal Procedure

Cerafix[®] Dura Substitute is a FDA cleared synthetic dura substitute designed to provide strength, handling, and versatility for neurosurgeons, while offering reduced local inflammatory response and improved wound healing compared to other dural grafts. Cerafix[®] is a non-woven electrospun material engineered to mimic native dura mater¹. The architecture of this fully synthetic graft has been shown to support tissue ingrowth and neoduralization with minimal inflammation in pre-clinical studies². The present review highlights the successful use of the Cerafix[®] Dura Substitute in a minimally-invasive endoscopic transphenoidal procedure performed at The Cleveland Clinic in Cleveland, OH.

USE CASE: EXPANDED ENDOSCOPIC RESECTION OF PITUITARY MENINGIOMA



Cerafix[®] was easily rolled and delivered to the operative site through the trocar with the use of an endoscope.

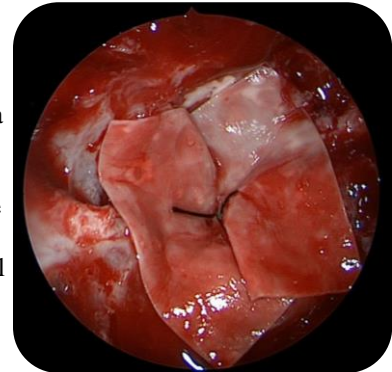


Cerafix[®] readily unfurled at the operative site. The compliance of the material facilitated application to the dural repair site.

Cerafix[®] conformed to the dural defect and was easily manipulated with endoscopic tool set to achieve a successful repair of the dura mater.



Cerafix[®] conformed to the defect to achieve a final repair of the operative site. A non-tension suture was utilized to secure the material in place.



Cerafix[®] Dura Substitute facilitated a leak-free repair with positive clinical outcomes when assessed >12 months post-operatively.

- Surgeons at The Cleveland Clinic (Cleveland, OH) performed an endoscopic transphenoidal procedure using Cerafix[®] in April 2016. In this case, Cerafix[®] was used to repair the dura mater following expanded resection of a pituitary meningioma compressing the optical nerves / chiasm.
- Cerafix[®] was easily rolled and applied in a minimally invasive setting through the use of an endoscope, where it was then fixed in place with a non-tension suture.