You’ll never look at dural grafts the same way again

DuraGen® is backed by the strength of 10 clinical studies with over 1400 patients.¹⁻¹⁰

Clinical studies cover foreign body reactions, infections, and CSF leaks.

CSF = cerebrospinal fluid.
Two Million Implants and Counting\textsuperscript{1-10}

Summary outcome statistics derived from 10 clinical studies demonstrate

\begin{itemize}
\item 0\% Foreign Body Reaction\textsuperscript{\textsuperscript{\textdagger}}
\item 1.9\% Infection Rate\textsuperscript{\textdagger}
\item 2.1\% CSF Leak Rate\textsuperscript{\textdagger}
\end{itemize}

\textsuperscript{\textdagger} Ultra Pure Collagen\textsuperscript{\textsuperscript{\textdagger}}\textsuperscript{\textsuperscript{\textdagger}}\textsuperscript{\textsuperscript{\textdagger}}
\textsuperscript{\textdagger} No confirmed reports of foreign body reaction or rejection in over 30 years of clinical use\textsuperscript{\textdagger}
\textsuperscript{\textdagger} Million-fold reduction in viral activity in collagen achieved via purification process\textsuperscript{\textdagger}
\textsuperscript{\textdagger} Rapidly promotes fibrin clot formation, creating a watertight barrier and binding implanted matrix to the dura\textsuperscript{\textdagger}

Integra’s DuraGen\textsuperscript{\textsuperscript{\textdagger}} products have more published human clinical data than any other collagen-based dural grafts\textsuperscript{\textdagger}

Preimplantation:

DuraGen’s open pore structure and Ultra Pure Collagen\textsuperscript{\textsuperscript{\textdagger}}\textsuperscript{\textsuperscript{\textdagger}} create an optimized environment for platelet aggregation and rapid fibrin clot formation to help prevent CSF leaks.\textsuperscript{\textdagger}

Take a Closer Look

INTEGRA

Post-op Proven.
Two Million Implants and Counting\textsuperscript{1-10}

Summary outcome statistics derived from 10 clinical studies demonstrate:

0% Foreign Body Reaction\textsuperscript{11}

- Ultra Pure Collagen\textsuperscript{12}
- No confirmed reports of foreign body reaction or rejection in over 30 years of clinical use\textsuperscript{12}

1.9% Infection Rate\textsuperscript{11}

- Million-fold reduction in viral activity in collagen achieved via purification process\textsuperscript{12}

2.1% CSF Leak Rate\textsuperscript{11}

- Rapidly promotes fibrin clot formation, creating a watertight barrier and binding implanted matrix to the dura\textsuperscript{12}

Integra’s DuraGen\textsuperscript{®} products have more published human clinical data than any other collagen-based dural grafts\textsuperscript{12}

Within 10 minutes of interacting with blood, DuraGen Plus promotes rapid platelet aggregation, and an extensive fibrin network forms to provide a watertight seal.\textsuperscript{12}

KEY: Collagen matrix, Red blood cell, Platelet, Fibrin

Image is representative of study data on file.\textsuperscript{12}
# DuraGen® Dural Regeneration Matrix

Proven in Over 1400 Patients and 10 Clinical Studies

<table>
<thead>
<tr>
<th>Author</th>
<th>Procedure Type</th>
<th>DuraGen Patients Studied</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danish et al¹</td>
<td>Posterior Fossa Decompression</td>
<td>56</td>
</tr>
<tr>
<td>Harvey et al²</td>
<td>Endoscopic Transnasal Craniotomy</td>
<td>30</td>
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<tr>
<td>Horaczek et al³</td>
<td>Decompressive Hemicraniectomy, Cranioplasty</td>
<td>18</td>
</tr>
<tr>
<td>Lee et al⁴</td>
<td>Intracranial Meningioma Resection</td>
<td>237</td>
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<tr>
<td>Litvack et al⁵</td>
<td>Frontal Craniotomy, Suboccipital/Retrosigmoid</td>
<td>320</td>
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<tr>
<td>Narotam et al⁶</td>
<td>Spinal Surgery</td>
<td>110</td>
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<tr>
<td>Narotam et al⁷</td>
<td>Posterior Fossa Cranietomy, Lumbar Laminectomy,</td>
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<tr>
<td>Narotam et al⁸</td>
<td>Supratentorial Cranietomy</td>
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<tr>
<td>Sade et al⁹</td>
<td>Intracranial Meningioma Resection</td>
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<tr>
<td>Stendel et al¹⁰</td>
<td>Cranial and Spinal Procedures</td>
<td>112</td>
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<tr>
<td><strong>TOTAL:</strong></td>
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<td><strong>1453</strong></td>
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**References:**