



Home → Health Topics → Bone Grafts

URL of this page: <https://medlineplus.gov/bonegrafts.html>

Bone Grafts

A bone graft transplants bone tissue. Surgeons use bone grafts to repair and rebuild **diseased bones** [<https://medlineplus.gov/bonediseases.html>] in your hips, knees, spine, and sometimes other bones and joints. Grafts can also repair bone loss caused by some types of fractures [<https://medlineplus.gov/fractures.html>] (broken bones) or cancers. Once your body accepts the bone graft, it provides a framework for growth of new, living bone.

If the transplanted bone comes from another person [<https://medlineplus.gov/organdonation.html>], it is called an allograft. Most allograft bone comes from donors who have died. Tissue banks screen these donors and disinfect and test the donated bone to make sure it is safe to use. If the transplanted bone comes from another part of your own body, it is called an autograft. Autograft bone often comes from your ribs, hips or a leg.

Learn More

- Bone Graft Alternatives [<https://www.spine.org/KnowYourBack/Treatments/Surgical-Options/Bone-Graft-Alternatives>] (North American Spine Society)
- Spinal fusion [<https://medlineplus.gov/ency/article/002968.htm>] (Medical Encyclopedia)
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/002968.htm>]
- Spinal fusion - series [https://medlineplus.gov/ency/presentations/100121_1.htm] (Medical Encyclopedia)
Also in Spanish [https://medlineplus.gov/spanish/ency/esp_presentations/100121_1.htm]

Clinical Trials

- ClinicalTrials.gov: Bone Transplantation [<https://clinicaltrials.gov/search?intr=%22Bone+Transplantation%22&aggFilters=status:not%20rec>] (National Institutes of Health)

Journal Articles

References and abstracts from MEDLINE/PubMed (National Library of Medicine)

- Article: Use of Bone Bank Grafts in Revision Total Hip Arthroplasty: Patient... [<https://www.ncbi.nlm.nih.gov/pubmed/40731877>]
- Article: The Treatment of Legg-Calve-Perthes Disease in Children: Comparative Effectiveness of the... [<https://www.ncbi.nlm.nih.gov/pubmed/40728329>]
- Article: Local autograft versus mixture of autograft and allograft combination with posterior... [<https://www.ncbi.nlm.nih.gov/pubmed/40725966>]
- Bone Grafts -- see more articles [<https://pubmed.ncbi.nlm.nih.gov/?term=%22Bone+Transplantation%22%5Bmajr%3Anoexp%5D+AND+humans%5Bmh%5D+AND+english%5Bla%5D+AND+%22last+1+Year%22+%5Bdat%5D+NOT+%28letter%5Bpt%5D+OR+case+reports%5Bpt%5D+OR+editorial%5Bpt%5D+OR+comment%5Bpt%5D%29+AND+free+full+text%5Bsb%5D+>]

Patient Handouts

- Bone graft [<https://medlineplus.gov/ency/article/002963.htm>] (Medical Encyclopedia)



National Institutes of Health

The primary NIH organization for research on *Bone Grafts* is the National Institute of Arthritis and Musculoskeletal and Skin Diseases [<http://www.niams.nih.gov/>]

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