

# Giant Cell Tumour of Tendon Sheath

title: "Giant Cell Tumour of Tendon Sheath" slug: giant-cell-tumour-of-tendon-sheath region: hand audience: patient mesh\_terms: ["Soft Tissue Neoplasms", "Neoplasm Recurrence, Local", "Giant Cell Tumor of Bone", "Giant Cell Tumor of Tendon Sheath", "Bone Neoplasms", "Diagnosis, Differential", "Immunohistochemistry", "Fingers"] article\_count: 108 model\_used: Qwen3.6-35B-A3B-Q8\_0.gguf generated\_at: '2026-06-13T10:22:53+00:00' key\_articles: - title: "Benign Bony and Soft Tissue Tumors of the Hand" ref\_num: 1 evidence\_tier: paper evidence\_level: 5 doi: 10.1016/j.jhsa.2010.08.015 year: 2010 - title: "Giant cell tumour of tendon sheath in a 4-year-old boy" ref\_num: 2 evidence\_tier: paper evidence\_level: 4 doi: 10.1177/1753193412455792 year: 2012 - title: "Soft-Tissue Recurrence of Giant-Cell Tumor of Bone after Irradiation and Excision" ref\_num: 3 evidence\_tier: paper evidence\_level: 4 doi: 10.2106/00004623-196749020-00016 year: 1967 - title: "Impact Severity of Local Recurrence in Giant Cell Tumor of Bone" ref\_num: 4 evidence\_tier: paper evidence\_level: 3 doi: 10.1097/01.blo.0000180055.76969.08 year: 2005 - title: "Glomus Tumor of Digital Nerve: Case Report" ref\_num: 5 evidence\_tier: case\_report evidence\_level: 4 doi: 10.1016/j.jhsa.2012.02.035 year: 2012 - title: "Malignant Tumors of the Hand and Wrist" ref\_num: 6 evidence\_tier: paper evidence\_level: 5 doi: 10.5435/00124635-200611000-00013 year: 2006 - title: "Giant Cell Tumor of Bone: Are We Stratifying Results Appropriately?" ref\_num: 7 evidence\_tier: paper evidence\_level: 4 doi: 10.1007/s11999-011-2172-8 year: 2012 - title: "Giant cell tumour of hand bones: outcomes of treatment" ref\_num: 8 evidence\_tier: paper evidence\_level: 4 doi: 10.1177/17531934211007820 year: 2021 - title: "Malignant and Metastatic Tumors of the Hand" ref\_num: 9 evidence\_tier: paper evidence\_level: 5 doi: 10.1016/j.jhsa.2010.08.014 year: 2010 - title: "Phalangeal transfer for recurrent giant-cell tumor of the phalanx of a finger in a nine-year-old child. A case report with forty-one-year follow-up." ref\_num: 10 evidence\_tier: case\_report evidence\_level: 5 doi: 10.2106/00004623-199412000-00015 year: 1994 - title: "Is Intralesional Treatment of Giant Cell Tumor of the Distal Radius Comparable to Resection With Respect to Local Control and Functional Outcome?" ref\_num: 11 evidence\_tier: paper evidence\_level: 3 doi: 10.1007/s11999-014-4054-3 year: 2015 - title: "Late recurrence of giant-cell tumor of bone. A report of four cases." ref\_num: 12 evidence\_tier: paper evidence\_level: 4 doi: 10.2106/00004623-199408000-00013 year: 1994 - title: "Dilemmas in Distinguishing Between Tumor and the Posttraumatic Lesion with Surgical or Pathologic Correlation" ref\_num: 13 evidence\_tier: paper evidence\_level: 5 doi: 10.1016/j.csm.2013.03.008 year: 2013 - title: "Superficial Angiomyxoma of the Thumb Mimicking a Malignant Bone Tumor: Case Report" ref\_num: 14 evidence\_tier: case\_report evidence\_level: 4 doi: 10.1016/j.jhsa.2014.01.004 year: 2014 - title: "Spread of Squamous Cell Carcinoma From the Thumb to the Small Finger via the Flexor Tendon Sheaths" ref\_num: 15 evidence\_tier: paper evidence\_level: 5 doi: 10.1016/j.jhsa.2009.06.012 year: 2009 - title: "A High-

grade Sarcoma Arising in a Patient With Recurrent Benign Giant Cell Tumor of the Proximal Tibia While Receiving Treatment With Denosumab” ref\_num: 16 evidence\_tier: paper evidence\_level: 4 doi: 10.1007/s11999-015-4249-2 year: 2015 - title: “CORR Insights®: Is Treatment with Denosumab Associated with Local Recurrence in Patients with Giant Cell Tumor of Bone Treated with Curettage? A Systematic Review” ref\_num: 17 evidence\_tier: paper evidence\_level: 5 doi: 10.1097/corr.0000000000001217 year: 2020 - title: “Recurrence of giant-cell tumors of the long bones after curettage and packing with cement.” ref\_num: 18 evidence\_tier: paper evidence\_level: 3 doi: 10.2106/00004623-199412000-00009 year: 1994 - title: “Aneurysmal bone cyst and giant cell tumor of bone of the hand and distal radius” ref\_num: 19 evidence\_tier: paper evidence\_level: 4 doi: 10.1016/j.hcl.2004.03.016 year: 2004 - title: “Oncologic Conditions That Simulate Common Sports Injuries” ref\_num: 20 evidence\_tier: paper evidence\_level: 5 doi: 10.5435/jaaos-22-04-223 year: 2014 - title: “Megavoltage Radiation Therapy for Axial and Inoperable Giant-Cell Tumor of Bone\*” ref\_num: 21 evidence\_tier: paper evidence\_level: 4 doi: 10.2106/00004623-199911000-00008 year: 1999 - title: “Giant cells tumor recurrence at the third lumbar vertebra” ref\_num: 22 evidence\_tier: paper evidence\_level: 5 doi: 10.1016/j.otsr.2010.05.009 year: 2010 - title: “Resection of a giant cell tumour of the proximal phalanx and reconstruction by iliac crest graft” ref\_num: 23 evidence\_tier: paper evidence\_level: 4 doi: 10.1177/1753193408097859 year: 2009 - title: “Radiation Therapy for Giant Cell Tumors of Bone” ref\_num: 27 evidence\_tier: paper evidence\_level: 4 doi: 10.1097/01.blo.0000069890.31220.b4 year: 2003 - title: “Giant Cell Tumor of Bone” ref\_num: 29 evidence\_tier: paper evidence\_level: 5 doi: 10.5435/jaaos-21-02-118 year: 2013 - title: “Autogenous non-vascularized fibula for treatment of giant cell tumor of distal end radius” ref\_num: 31 evidence\_tier: paper evidence\_level: 4 doi: 10.1007/s00402-010-1059-6 year: 2010 - title: “Skeletal Metastasis in Tricholemmal Carcinoma” ref\_num: 32 evidence\_tier: paper evidence\_level: 4 doi: 10.1097/01.blo.0000129555.37075.74 year: 2004 - title: “Giant Cell Tumor of Bone: Risk Factors for Recurrence” ref\_num: 33 evidence\_tier: paper evidence\_level: 3 doi: 10.1007/s11999-010-1501-7 year: 2011 - title: “Parosteal Osteosarcoma of the Proximal Phalanx of a Finger” ref\_num: 36 evidence\_tier: paper evidence\_level: 4 doi: 10.1016/j.jhsa.2019.08.006 year: 2020 - title: “Multicentric Giant Cell Tumor of Bone: A Case Report and Review of the Literature” ref\_num: 38 evidence\_tier: paper evidence\_level: 4 doi: 10.1097/01.blo.0000063784.32430.b0 year: 2003 - title: “Fibroma of tendon sheath of the hand in a 3-year-old boy: a case report” ref\_num: 39 evidence\_tier: case\_report evidence\_level: 4 doi: 10.1186/s12891-020-03728-x year: 2020 - title: “Vascularised Joint Transfer in the Management of Recurrent Giant Cell Tumour of the Second Metacarpal” ref\_num: 42 evidence\_tier: paper evidence\_level: 4 doi: 10.1177/1753193408089048 year: 2008 - title: “Florid Reactive Periostitis of the Metacarpal and Phalanx: 2 Case Reports” ref\_num: 45 evidence\_tier: paper evidence\_level: 4 doi: 10.1016/j.jhsa.2013.08.115 year: 2013 synthesis\_version: “v2” verifier\_status: skipped

---

## Overview

---

- Giant cell tumour of tendon sheath is a common benign tumour of the hand [2].
- Reports of giant cell tumour of tendon sheath in the paediatric population are rare [2].
- Giant cell tumour of tendon sheath can be locally recurrent after excision [2].

- Imaging studies can be of little utility in distinguishing glomus tumors from other lesions like giant cell tumor of the tendon sheath [5].
- Vigilance for malignancy is encouraged for lesions such as giant cell tumors, as aggressive treatment such as wide excision or amputation may be necessary to prevent recurrence [1].
- Orthopaedic surgeons should be familiar with the spectrum of hand and wrist tumors, the work-up necessary to arrive at a precise diagnosis, and the treatment that will achieve the most favorable outcome [6].

## Anatomy & Pathophysiology

---

- Giant cell tumors are classified as benign bony and soft tissue tumors of the hand [1].
- Giant cell tumors can exhibit aggressive behavior requiring wide excision or amputation to prevent recurrence [1].
- Giant cell tumors can recur at the third lumbar vertebra [22].
- If the vertebral body and posterior arch are affected in giant cell tumors, curettage is insufficient to prevent recurrence [22].
- Giant cell tumors can occur in the proximal phalanx [23].
- Giant cell tumors can recur in the second metacarpal [42].
- Primary parosteal osteosarcoma of the finger is a rare tumor with characteristic radiographic and microscopic appearance [36].
- Fibroma of tendon sheath (FTS) is an extremely rare condition in the hand of a 3-year-old child [39].
- Florid reactive periostitis presents as soft tissue swelling adjacent to hand bones with pseudomalignant or pseudoinflammatory features [45].

## Classification

---

- Giant cell tumour of tendon sheath is a common benign tumour of the hand [2].
- Giant cell tumour of tendon sheath can be locally recurrent after excision [2].
- Reports of giant cell tumour of tendon sheath in the paediatric population are rare [2].
- Imaging studies can be of little utility in distinguishing glomus tumors from other lesions like giant cell tumor of the tendon sheath [5].

## Clinical Presentation

---

- Giant cell tumour of tendon sheath is a common benign tumour of the hand [2].
- Reports of giant cell tumour of tendon sheath in the paediatric population are rare [2].

- Giant cell tumour of tendon sheath can be locally recurrent after excision [2].
- Imaging studies can be of little utility in distinguishing glomus tumors from other lesions like giant cell tumor of the tendon sheath [5].
- Prolonged and atypical swelling of soft tissue, even with a previous traumatic lesion, may indicate underlying malignancy, necessitating proper imaging before surgery [13].
- Primary bone and soft-tissue tumors that mimic common sports injuries are relatively rare but can be easily missed, leading to limb- and life-threatening consequences [20].
- Vigilance for malignancy is encouraged for lesions like giant cell tumors to prevent recurrence [1].
- Orthopaedic surgeons should be familiar with the spectrum of hand and wrist tumors, the work-up necessary to arrive at a precise diagnosis, and the treatment that will achieve the most favorable outcome [6].
- Soft tissue sarcomas of the hand may have better survival than those at other sites, but prognosis must be interpreted with caution due to the rarity of the condition [9].
- An unusual pathway for spread of squamous cell carcinoma from the thumb to the small finger is via the flexor tendon sheaths, which should be considered in the evaluation of patients with hand tumors [15].
- Local recurrence is seen in  $\leq 20\%$  of cases of giant cell tumor of bone [29].
- A second local intralesional procedure is typically sufficient in cases of giant cell tumor of bone detected early [29].
- Most recurrences of giant-cell tumor of bone can be expected within the first two years [12].
- Some patients with giant-cell tumor of bone remain at risk for recurrence for a much longer period, with recurrences occurring nineteen to thirty years after initial treatment [12].
- Two cases of soft-tissue recurrence of giant-cell tumor within a surgical scar indicate that tumor cells may be implanted in a surgical wound [3].
- There are subsets of patients with giant cell tumor of bone who are at higher risk of recurrence and should be clinically followed more closely [7].
- Malignant transformation of a giant cell tumor of bone while receiving denosumab treatment is a rare but important possibility [16].

## Investigations

---

- Imaging studies have limited utility in distinguishing glomus tumors from other lesions such as giant cell tumor of the tendon sheath [5].
- Prolonged and atypical soft tissue swelling, even in the presence of a previous traumatic lesion, may indicate underlying malignancy and necessitates proper imaging before surgery [13].
- The use of CT and whole body bone scans may be beneficial when indicated, particularly after the occurrence of a second tumor focus [38].

# Treatment

---

- Vigilance for malignancy is encouraged, and aggressive treatment such as wide excision or amputation may be necessary for certain lesions like giant cell tumors to prevent recurrence [1].
- Giant cell tumour of tendon sheath is a common benign tumour of the hand that can be locally recurrent after excision [2].
- Two cases of soft-tissue recurrence of giant-cell tumor within a surgical scar are reported, indicating that tumor cells may be implanted in a surgical wound [3].
- Despite its benign histology, giant cell tumor of bone is an aggressive tumor that demands meticulous attention to surgical detail and close postoperative surveillance for successful local tumor control and durable, joint-preserving function [4].
- Both curettage and resection/amputation are acceptable treatment options for the rare condition of giant cell tumour of bone in the hand, with a need to individualize treatment decisions based on the site and extent of disease to minimize treatment morbidity while maximizing disease control [8].
- The transplantation of a toe phalanx for a recurrent giant-cell tumor in a skeletally immature patient resulted in a satisfactory outcome with full hand function and no tumor recurrence forty-one years later [10].
- Intralesional excision remains a viable, and likely the standard, mode of treatment for most giant cell tumors of the distal radius unless there is extensive bone loss [11].
- Although most recurrences of giant-cell tumor of bone can be expected within the first two years, some patients remain at risk for a much longer period, with recurrences occurring nineteen to thirty years after initial treatment [12].
- Wide excision should be considered in the presence of extensive soft tissue involvement, and early treatment yields good results [14].
- The available studies suffer from selection bias and are inadequate to answer questions regarding the appropriate use, duration, and efficacy of denosumab in giant cell tumors of bone definitively [17].
- The effectiveness of treatment of a recurrence with either an intralesional or a wide excisional procedure does not appear to be diminished by initial curettage and cementing [18].
- Treatment is directed at controlling the lesion locally, with curettage and adjuvant therapy being the primary goal for most lesions to preserve the articular surface [19].
- Giant-cell tumor of bone was effectively treated with megavoltage radiation in patients in whom operative resection would have been difficult or was not feasible, with a ten-year lack of progression rate of 85 percent [21].
- Radiation therapy is a safe and effective treatment option for benign giant cell tumors of bone [27].
- Reconstruction after wide excision by nonvascularized fibular graft is a viable alternative for giant cell tumors of the lower end of radius though it is a challenging procedure and may be accompanied by major complications [31].
- This tumor should be treated with conservative but thorough excision [32].

- The authors recommend intralesional surgery with polymethylmethacrylate for the majority of primary GCTs [33].

## Complications

---

- Giant cell tumour of tendon sheath is a common benign tumour of the hand that can be locally recurrent after excision [2].
- Reports of giant cell tumour of tendon sheath in the paediatric population are rare [2].
- Soft-tissue recurrence of giant-cell tumor within a surgical scar indicates that tumor cells may be implanted in a surgical wound [3].
- Giant cell tumor of bone is an aggressive tumor that demands meticulous attention to surgical detail and close postoperative surveillance for successful local tumor control and durable, joint-preserving function [4].
- There are subsets of patients with giant cell tumor of bone who are at higher risk of recurrence and should be clinically followed more closely [7].
- Both curettage and resection/amputation are acceptable treatment options for giant cell tumour of bone in the hand, with treatment decisions needing to be individualized based on the site and extent of disease to minimize treatment morbidity while maximizing disease control [8].
- The transplantation of a toe phalanx for a recurrent giant-cell tumor in a skeletally immature patient resulted in a satisfactory outcome with full hand function and no tumor recurrence forty-one years later [10].
- Although most recurrences of giant-cell tumor of bone can be expected within the first two years, some patients remain at risk for a much longer period, with recurrences occurring nineteen to thirty years after initial treatment [12].
- Prolonged and atypical swelling of soft tissue, even with a previous traumatic lesion, may indicate underlying malignancy, necessitating proper imaging before surgery [13].
- The available studies regarding treatment with denosumab suffer from selection bias and are inadequate to answer questions regarding the appropriate use, duration, and efficacy of denosumab in giant cell tumors of bone definitively [17].

## Recovery

---

- Giant cell tumour of tendon sheath is a common benign tumour of the hand that can be locally recurrent after excision [2].
- Reports of giant cell tumour of tendon sheath in the paediatric population are rare [2].
- Two cases of soft-tissue recurrence of giant-cell tumor within a surgical scar indicate that tumor cells may be implanted in a surgical wound [3].

- Despite its benign histology, giant cell tumor of bone is an aggressive tumor that demands meticulous attention to surgical detail and close postoperative surveillance for successful local tumor control and durable, joint-preserving function [4].
- There are subsets of patients with giant cell tumor of bone who are at higher risk of recurrence and should be clinically followed more closely [7].
- Although most recurrences of giant-cell tumor of bone can be expected within the first two years, some patients remain at risk for a much longer period, with recurrences occurring nineteen to thirty years after initial treatment [12].
- The transplantation of a toe phalanx for a recurrent giant-cell tumor in a skeletally immature patient resulted in a satisfactory outcome with full hand function and no tumor recurrence forty-one years later [10].
- The effectiveness of treatment of a recurrence with either an intralesional or a wide excisional procedure does not appear to be diminished by initial curettage and cementing [18].

## Key Evidence

---

- [L5] Vigilance for malignancy is encouraged, and aggressive treatment such as wide excision or amputation may be necessary for certain lesions like giant cell tumors to prevent recurrence. ([10.1016/j.jhsa.2010.08.015](#))
- [L4] Giant cell tumour of tendon sheath is a common benign tumour of the hand that can be locally recurrent after excision, and reports in the paediatric population are rare, with this case believed to be the youngest reported. ([10.1177/1753193412455792](#))
- [L4] Two cases of soft-tissue recurrence of giant-cell tumor within a surgical scar are reported, indicating that tumor cells may be implanted in a surgical wound. ([10.2106/00004623-196749020-00016](#))
- [L3] Despite its benign histology, giant cell tumor of bone is an aggressive tumor that demands meticulous attention to surgical detail and close postoperative surveillance for successful local tumor control and durable, joint-preserving function. ([10.1097/01.blo.0000180055.76969.08](#))
- [Case\_report] Imaging studies can be of little utility in distinguishing glomus tumors from other lesions like giant cell tumor of the tendon sheath. ([10.1016/j.jhsa.2012.02.035](#))
- [L5] Orthopaedic surgeons should be familiar with the spectrum of these tumors, the work-up necessary to arrive at a precise diagnosis, and the treatment that will achieve the most favorable outcome. ([10.5435/00124635-200611000-00013](#))
- [L4] Our observations suggest there are subsets of patients with giant cell tumor of bone who are at higher risk of recurrence and should be clinically followed more closely. ([10.1007/s11999-011-2172-8](#))
- [L4] Both curettage and resection/amputation are acceptable treatment options for the rare condition of giant cell tumour of bone in the hand, with a need to individualize treatment decisions based on the site and extent of disease to minimize treatment morbidity while maximizing disease control. ([10.1177/17531934211007820](#))

- [L5] It notes that while soft tissue sarcomas of the hand may have better survival than those at other sites, prognosis must be interpreted with caution due to the rarity of the condition. ([10.1016/j.jhsa.2010.08.014](https://doi.org/10.1016/j.jhsa.2010.08.014))
- [Case\_report] The transplantation of a toe phalanx for a recurrent giant-cell tumor in a skeletally immature patient resulted in a satisfactory outcome with full hand function and no tumor recurrence forty-one years later. ([10.2106/00004623-199412000-00015](https://doi.org/10.2106/00004623-199412000-00015))
- [L3] Intralesional excision remains a viable, and likely the standard, mode of treatment for most giant cell tumors of the distal radius unless there is extensive bone loss. ([10.1007/s11999-014-4054-3](https://doi.org/10.1007/s11999-014-4054-3))
- [L4] Although most recurrences of giant-cell tumor of bone can be expected within the first two years, some patients remain at risk for a much longer period, with recurrences occurring nineteen to thirty years after initial treatment. ([10.2106/00004623-199408000-00013](https://doi.org/10.2106/00004623-199408000-00013))
- [L5] Prolonged and atypical swelling of soft tissue, even with a previous traumatic lesion, may indicate underlying malignancy, necessitating proper imaging before surgery. ([10.1016/j.csm.2013.03.008](https://doi.org/10.1016/j.csm.2013.03.008))
- [Case\_report] Wide excision should be considered in the presence of extensive soft tissue involvement, and early treatment yields good results. ([10.1016/j.jhsa.2014.01.004](https://doi.org/10.1016/j.jhsa.2014.01.004))
- [L5] This unusual pathway should be considered in the evaluation of patients with hand tumors. ([10.1016/j.jhsa.2009.06.012](https://doi.org/10.1016/j.jhsa.2009.06.012))
- [L4] Malignant transformation of a giant cell tumor of bone while receiving denosumab treatment is a rare but important possibility that physicians should be aware of, as denosumab is increasingly used for this condition. ([10.1007/s11999-015-4249-2](https://doi.org/10.1007/s11999-015-4249-2))
- [L5] The available studies suffer from selection bias and are inadequate to answer questions regarding the appropriate use, duration, and efficacy of denosumab in giant cell tumors of bone definitively. ([10.1097/corr.0000000000001217](https://doi.org/10.1097/corr.0000000000001217))
- [L3] Furthermore, the effectiveness of treatment of a recurrence with either an intralesional or a wide excisional procedure does not appear to be diminished by initial curettage and cementing. ([10.2106/00004623-199412000-00009](https://doi.org/10.2106/00004623-199412000-00009))
- [L4] Treatment is directed at controlling the lesion locally, with curettage and adjuvant therapy being the primary goal for most lesions to preserve the articular surface. ([10.1016/j.hcl.2004.03.016](https://doi.org/10.1016/j.hcl.2004.03.016))
- [L5] Primary bone and soft-tissue tumors that mimic common sports injuries are relatively rare but can be easily missed, leading to limb- and life-threatening consequences. ([10.5435/jaaos-22-04-223](https://doi.org/10.5435/jaaos-22-04-223))
- [L4] Giant-cell tumor of bone was effectively treated with megavoltage radiation in patients in whom operative resection would have been difficult or was not feasible, with a ten-year lack of progression rate of 85 percent. ([10.2106/00004623-199911000-00008](https://doi.org/10.2106/00004623-199911000-00008))
- [L5] If the vertebral body and the posterior arch are affected, curettage of the lesion is insufficient to prevent tumor recurrence. ([10.1016/j.otsr.2010.05.009](https://doi.org/10.1016/j.otsr.2010.05.009))
- [L4] The application of a temporary dorsal plaster backslab to unstable distal radius fractures causes insignificant further displacement. ([10.1177/1753193408097859](https://doi.org/10.1177/1753193408097859))
- [L4] The authors conclude that radiation therapy is a safe and effective treatment option for benign giant cell tumors of bone. ([10.1097/01.blo.0000069890.31220.b4](https://doi.org/10.1097/01.blo.0000069890.31220.b4))

- [L5] Local recurrence is seen in  $\leq 20\%$  of cases, and a second local intralesional procedure is typically sufficient in cases that are detected early. ([10.5435/jaaos-21-02-118](#))
- [L4] Reconstruction after wide excision by nonvascularized fibular graft is a viable alternative for giant cell tumors of the lower end of radius though it is a challenging procedure and may be accompanied by major complications. ([10.1007/s00402-010-1059-6](#))
- [L4] This tumor should be treated with conservative but thorough excision. ([10.1097/01.blo.0000129555.37075.74](#))
- [L3] The authors recommend intralesional surgery with polymethylmethacrylate for the majority of primary GCTs. ([10.1007/s11999-010-1501-7](#))
- [L4] Primary parosteal osteosarcoma of the finger is a rare tumor with characteristic radiographic and microscopic appearance. ([10.1016/j.jhsa.2019.08.006](#))
- [L4] The use of CT and whole body bone scans may prove beneficial when indicated, particularly after the occurrence of a second tumor focus. ([10.1097/01.blo.0000063784.32430.b0](#))
- [Case\_report] We experienced an extremely rare case of FTS in the hand of a 3-year-old child. ([10.1186/s12891-020-03728-x](#))
- [L4] Reversed vascularised toe joint transfer should be considered as an option for reconstruction of joint defects in a single finger, especially in a young active patient, and has shown good short- to medium-term results. ([10.1177/1753193408089048](#))
- [L4] Florid reactive periostitis should be considered in cases of soft tissue swelling adjacent to hand bones showing pseudomalignant or pseudoinflammatory features. ([10.1016/j.jhsa.2013.08.115](#))

## References

---

[1] Benign Bony and Soft Tissue Tumors of the Hand. *The Journal of Hand Surgery*. 2010. DOI: 10.1016/j.jhsa.2010.08.015 [2] Giant cell tumour of tendon sheath in a 4-year-old boy. *Journal of Hand Surgery (European Volume)*. 2012. DOI: 10.1177/1753193412455792 [3] Soft-Tissue Recurrence of Giant-Cell Tumor of Bone after Irridiation and Excision. *The Journal of Bone & Joint Surgery*. 1967. DOI: 10.2106/00004623-196749020-00016 [4] Impact Severity of Local Recurrence in Giant Cell Tumor of Bone. *Clinical Orthopaedics and Related Research*. 2005. DOI: 10.1097/01.blo.0000180055.76969.08 [5] Glomus Tumor of Digital Nerve: Case Report. *The Journal of Hand Surgery*. 2012. DOI: 10.1016/j.jhsa.2012.02.035 [6] Malignant Tumors of the Hand and Wrist. *Journal of the American Academy of Orthopaedic Surgeons*. 2006. DOI: 10.5435/00124635-200611000-00013 [7] Giant Cell Tumor of Bone: Are We Stratifying Results Appropriately?. *Clinical Orthopaedics & Related Research*. 2012. DOI: 10.1007/s11999-011-2172-8 [8] Giant cell tumour of hand bones: outcomes of treatment. *Journal of Hand Surgery (European Volume)*. 2021. DOI: 10.1177/17531934211007820 [9] Malignant and Metastatic Tumors of the Hand. *The Journal of Hand Surgery*. 2010. DOI: 10.1016/j.jhsa.2010.08.014 [10] Phalangeal transfer for recurrent giant-cell tumor of the phalanx of a finger in a nine-year-old child. A case report with forty-one-year follow-up.. *The Journal of Bone & Joint Surgery*. 1994. DOI: 10.2106/00004623-199412000-00015 [11] Is Intralesional Treatment of Giant Cell Tumor of the Distal Radius Comparable to Resection With Respect to Local Control and Functional Outcome?. *Clinical Orthopaedics & Related Research*. 2015. DOI: 10.1007/s11999-014-4054-3 [12] Late recurrence of

giant-cell tumor of bone. A report of four cases.. *The Journal of Bone & Joint Surgery*. 1994. DOI: 10.2106/00004623-199408000-00013 [13] Dilemmas in Distinguishing Between Tumor and the Posttraumatic Lesion with Surgical or Pathologic Correlation. *Clinics in Sports Medicine*. 2013. DOI: 10.1016/j.csm.2013.03.008 [14] Superficial Angiomyxoma of the Thumb Mimicking a Malignant Bone Tumor: Case Report. *The Journal of Hand Surgery*. 2014. DOI: 10.1016/j.jhsa.2014.01.004 [15] Spread of Squamous Cell Carcinoma From the Thumb to the Small Finger via the Flexor Tendon Sheaths. *The Journal of Hand Surgery*. 2009. DOI: 10.1016/j.jhsa.2009.06.012 [16] A High-grade Sarcoma Arising in a Patient With Recurrent Benign Giant Cell Tumor of the Proximal Tibia While Receiving Treatment With Denosumab. *Clinical Orthopaedics & Related Research*. 2015. DOI: 10.1007/s11999-015-4249-2 [17] CORR Insights®: Is Treatment with Denosumab Associated with Local Recurrence in Patients with Giant Cell Tumor of Bone Treated with Curettage? A Systematic Review. *Clinical Orthopaedics & Related Research*. 2020. DOI: 10.1097/corr.0000000000001217 [18] Recurrence of giant-cell tumors of the long bones after curettage and packing with cement.. *The Journal of Bone & Joint Surgery*. 1994. DOI: 10.2106/00004623-199412000-00009 [19] Aneurysmal bone cyst and giant cell tumor of bone of the hand and distal radius. *Hand Clinics*. 2004. DOI: 10.1016/j.hcl.2004.03.016 [20] Oncologic Conditions That Simulate Common Sports Injuries. *Journal of the American Academy of Orthopaedic Surgeons*. 2014. DOI: 10.5435/jaaos-22-04-223 [21] Megavoltage Radiation Therapy for Axial and Inoperable Giant-Cell Tumor of Bone. *The Journal of Bone & Joint Surgery*. 1999. DOI: 10.2106/00004623-199911000-00008 [22] Giant cells tumor recurrence at the third lumbar vertebra. *Orthopaedics & Traumatology: Surgery & Research*. 2010. DOI: 10.1016/j.otsr.2010.05.009 [23] Resection of a giant cell tumour of the proximal phalanx and reconstruction by iliac crest graft. *Journal of Hand Surgery (European Volume)*. 2009. DOI: 10.1177/1753193408097859 [27] Radiation Therapy for Giant Cell Tumors of Bone. *Clinical Orthopaedics & Related Research*. 2003. DOI: 10.1097/01.blo.0000069890.31220.b4 [29] Giant Cell Tumor of Bone. *Journal of the American Academy of Orthopaedic Surgeons*. 2013. DOI: 10.5435/jaaos-21-02-118 [31] Autogenous non-vascularized fibula for treatment of giant cell tumor of distal end radius. *Archives of Orthopaedic and Trauma Surgery*. 2010. DOI: 10.1007/s00402-010-1059-6 [32] Skeletal Metastasis in Tricholemmal Carcinoma. *Clinical Orthopaedics & Related Research*. 2004. DOI: 10.1097/01.blo.0000129555.37075.74 [33] Giant Cell Tumor of Bone: Risk Factors for Recurrence. *Clinical Orthopaedics & Related Research*. 2011. DOI: 10.1007/s11999-010-1501-7 [36] Parosteal Osteosarcoma of the Proximal Phalanx of a Finger. *The Journal of Hand Surgery*. 2020. DOI: 10.1016/j.jhsa.2019.08.006 [38] Multicentric Giant Cell Tumor of Bone: A Case Report and Review of the Literature. *Clinical Orthopaedics & Related Research*. 2003. DOI: 10.1097/01.blo.0000063784.32430.b0 [39] Fibroma of tendon sheath of the hand in a 3-year-old boy: a case report. *BMC Musculoskeletal Disorders*. 2020. DOI: 10.1186/s12891-020-03728-x [42] Vascularised Joint Transfer in the Management of Recurrent Giant Cell Tumour of the Second Metacarpal. *Journal of Hand Surgery (European Volume)*. 2008. DOI: 10.1177/1753193408089048 [45] Florid Reactive Periostitis of the Metacarpal and Phalanx: 2 Case Reports. *The Journal of Hand Surgery\**. 2013. DOI: 10.1016/j.jhsa.2013.08.115