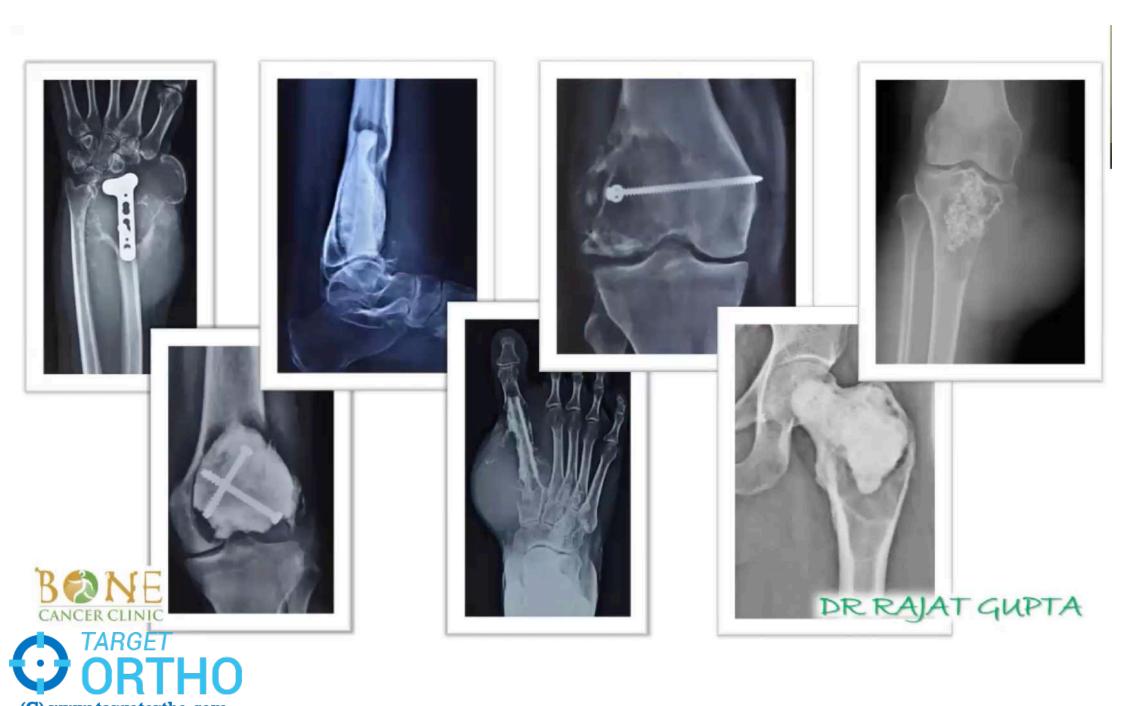
EXTENDED CURETTAGE TIPS & TRICKS

DR RAJAT GUPTA

ORTHOPAEDIC ONCOLOGIST









> POOR TECHNIQUE ?









>WHEN?

- Adequate disease clearance is possible
- Good residual bone can be saved

 PR RAJAT GUPTA















- ADEQUATE EXPOSURE
- CURRETING & BURRING
- ADJUVANTS
- RECONSTRUCTION





ADEQUATE EXPOSURE





ADEQUATE EXPOSURE





ADEQUATE EXPOSURE



- √ As atraumatic as possible
- ✓ Isolate with H2O2 mops
- ✓ Enbloc removal of soft tissue component
- √ Cautery





- VIsolate with H2O2 mops
- ✓ Enbloc removal of soft tissue component
- √ Cautery

DR RAJAT GUPTA

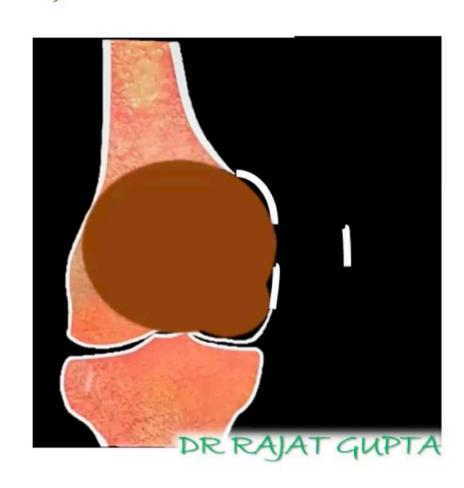
EXTENDED CURETTAGE

ADEQUATE EXPOSURE



✓ Large window

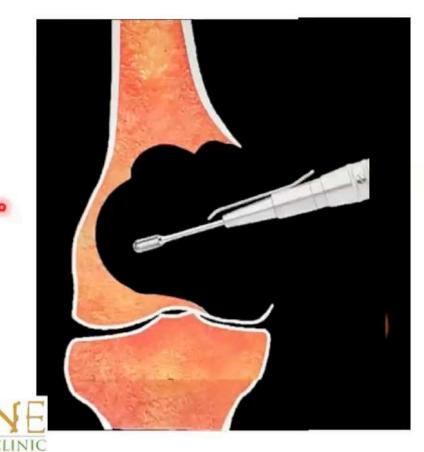












✓ Large window

√ Curetting

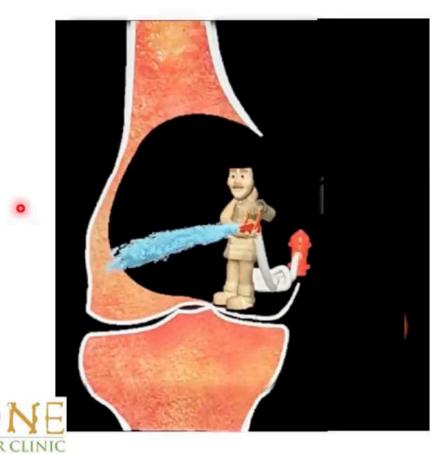
VHigh Speed Burring

BURRING IS NOT

ADJUVANT

DR RAJAT GUPTA

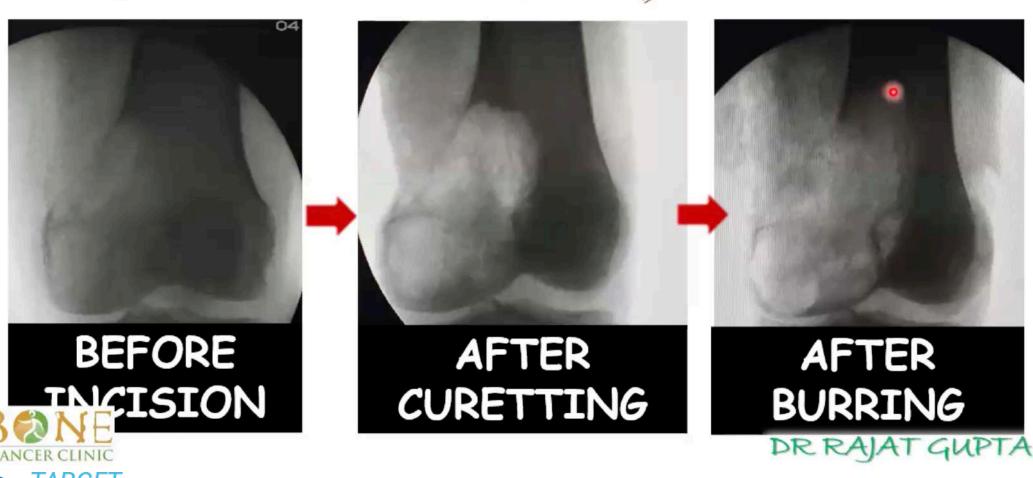




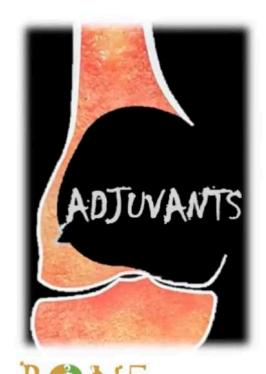
- ✓ Large window
- √ Curetting
- VHigh Speed Burring
- ✓ Pulsed Lavage











≈ LIQUID NITROGEN

≈ PHENOL

- Maximum penetration 14mm
- · Fractures
- · Nerve injury
- · Penetration < 1 mm

≈ ARGON BEAM

· Penetration 4mm

≈ HYDROGEN PEROXIDE

Kílls tumour cells by dírect contact



Sarcoma. 2010;2010. pii: 586090. doi: 10.1155/2010/586090. Epub 2010 Jul 27.

High-Speed Burring with and without the Use of Surgical Adjuvants in the Intralesional Management of Giant Cell Tumor of Bone: A Systematic Review and Meta-Analysis.

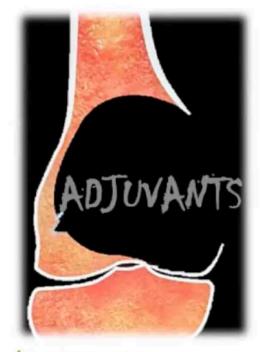
Algawahmed H1, Turcotte R, Farrokhyar F, Ghert M.

Author information

Abstract

Local control rates for Giant Cell Tumor of Bone (GCT) have been reported in a large number of retrospective series. However, there remains a lack of consensus with respect to the need for a surgical adjuvant when intralesional curettage is performed. We have systematically reviewed the literature and identified six studies in which two groups from the same patient cohort were treated with intralesional curettage and high-speed burring with or without a chemical or thermal adjuvant. Studies were evaluated for quality and pooled data was analyzed using the fixed effects model. Data from 387 patients did not indicate or improved local control with the use of surgical adjuvants. Given the available data, we conclude that surgical adjuvants are not required when meticulous tumor removal is performed.





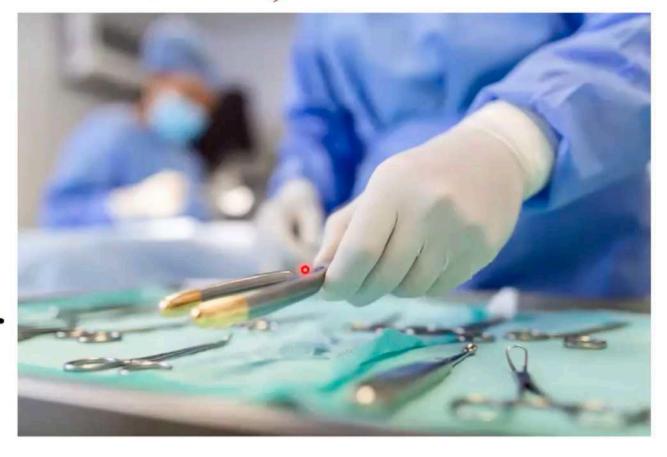
SIMILAR LOCAL CONTROL RATES

NOT AN ALTERNATIVE TO GOOD BURRING



CHANGE
DRAPES,
GLOVES
&
INSTRUMENTS

Harvest bone graft prior to curettage (if possible)





TECHNICAL NOTE

Iatrogenic implantation of giant cell tumor at bone graft donor site and clinical recommendations to prevent "A Rare Avoidable Complication"

Ashish Gulia · Ajay Puri · Abhijeet Salunke · Subhash Desai · N. A. Jambhekar

Iatrogenic giant cell tumor at bone graft harvesting site



CLINICAL ORTHOPAEDICS AND RELATED RESEARCH Number 465, pp. 260–264

Zile S Kundu, Vinay Gupta, Sukhbir S Sangwan, Shobit Goel, Parveen Rana

ABSTRACT

30 year old female patient with giant cell tumor of the distal tibia initially treate autologous bone grafting from the ipsilateral iliac crest reported to us with lograft harvesting site which required extensive surgeries at both sites. The risk to inadequate surgical planning or poor surgical techniques, and the steps to

CASE REPORT

Iatrogenic Seeding of a Giant Cell Tumor of the Patella to the Proximal Tibia

Onder Ofluoglu, MD*; and Rakesh Donthineni, MD, MBA*



VIDEO DEMONSTRATION DR RAJAT GUPTA

28Y/M GCT DISTAL FEMUR

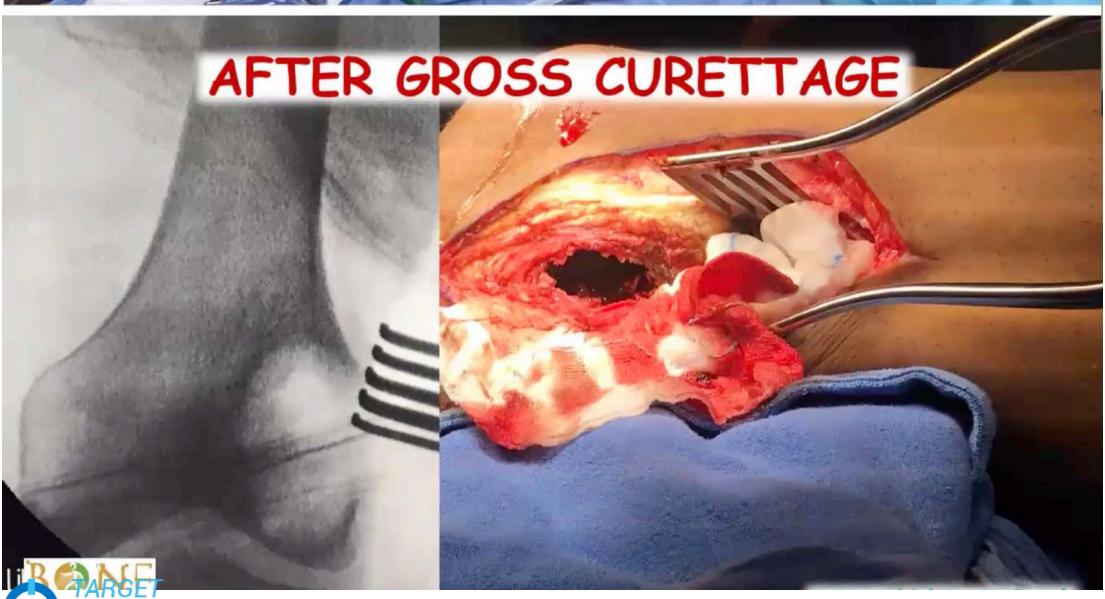








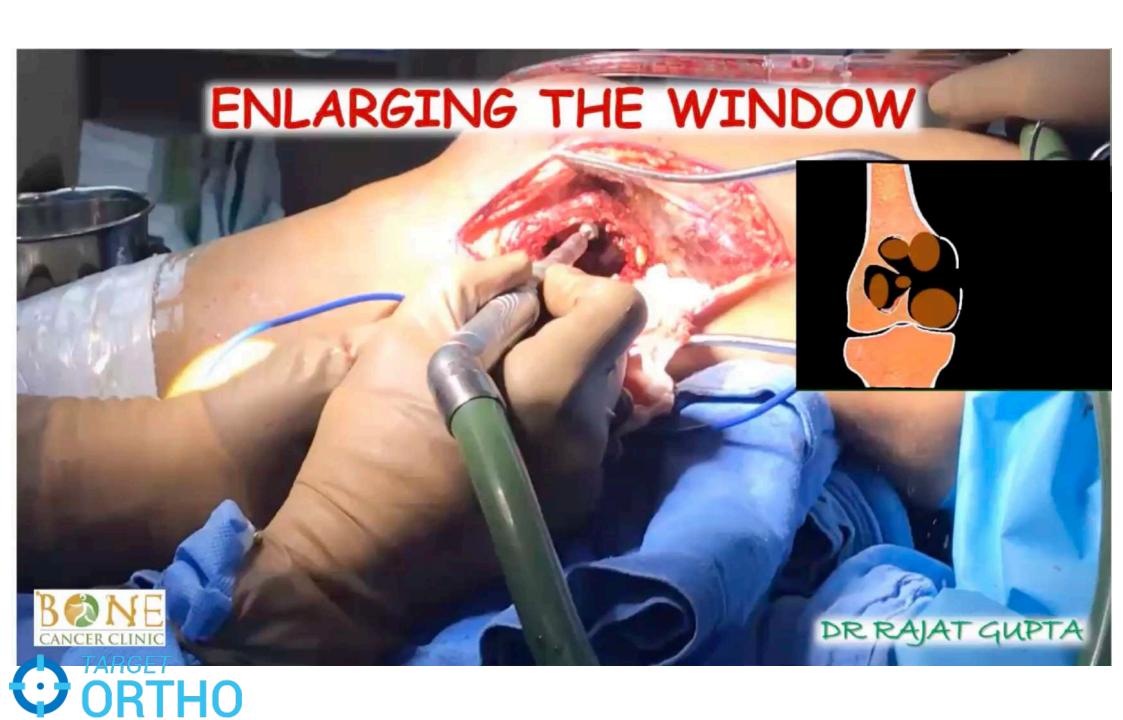








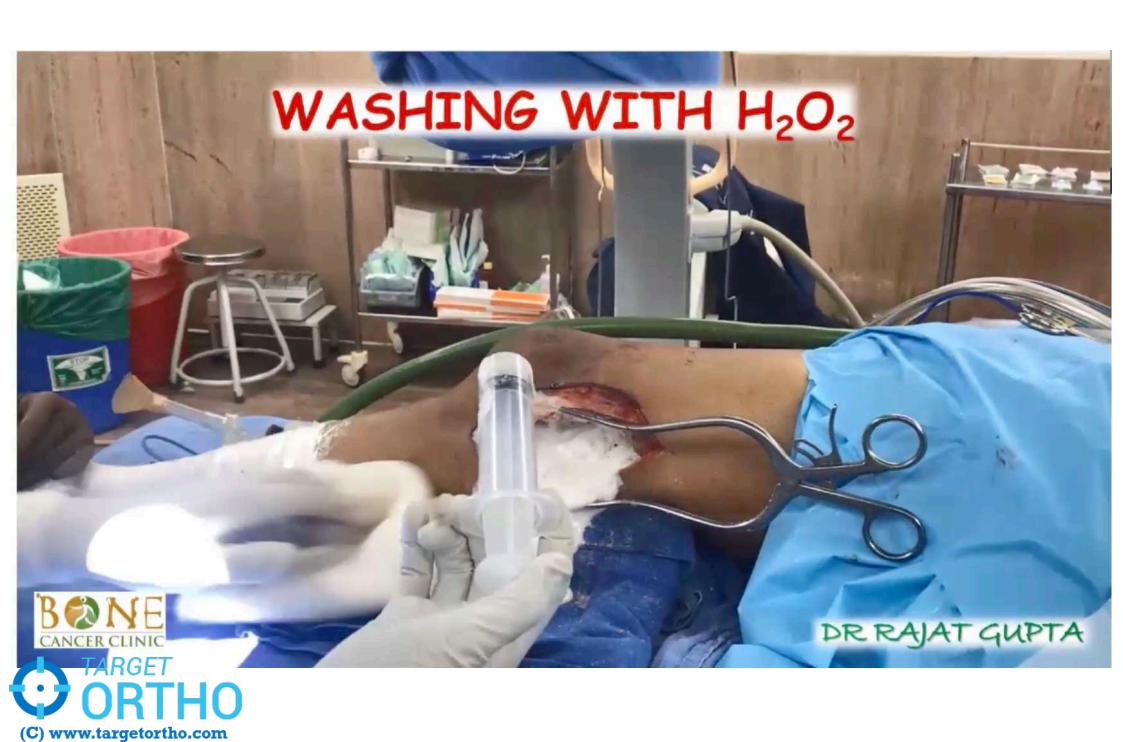








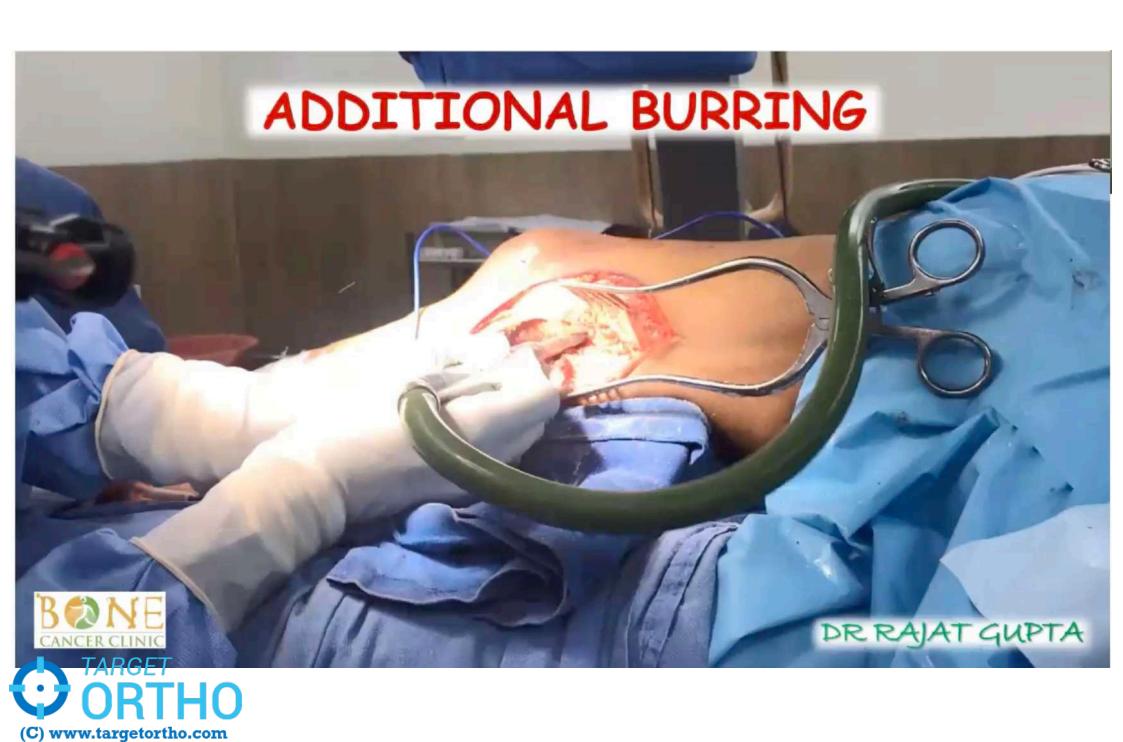


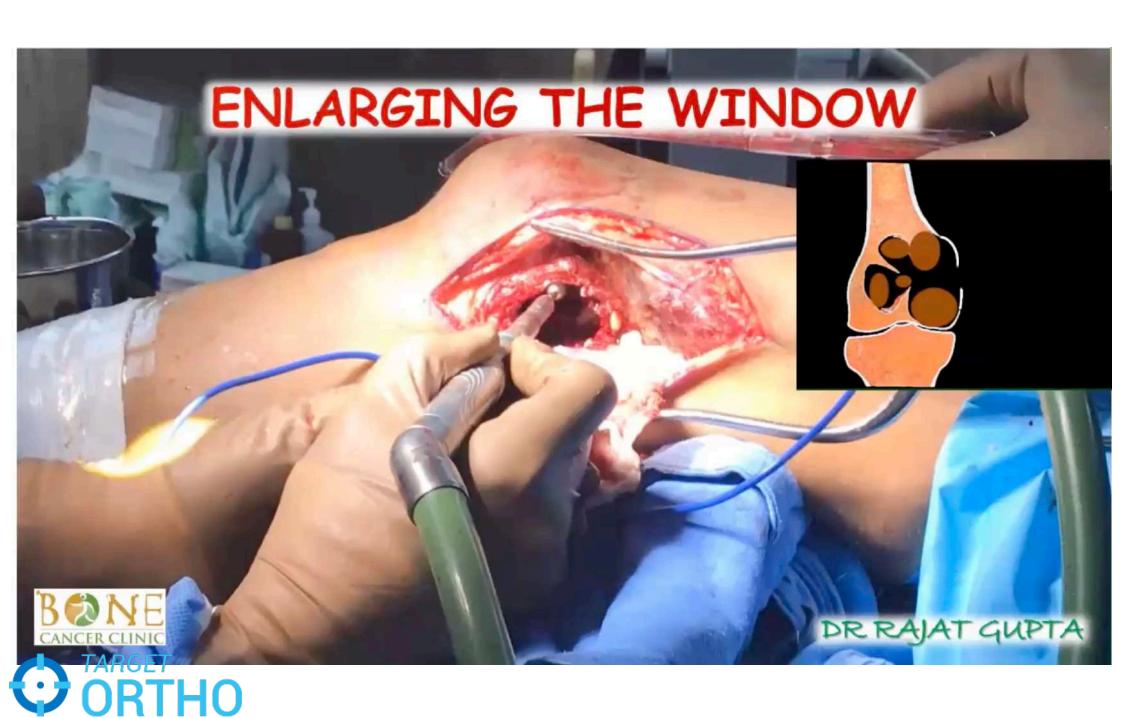
















FUNCTION AT 3 YEARS







I just need the main ideas



- > Good exposure
- Isolation with h202 mops
- > Pulsed lavage, high speed burr
- > C- arm guidance
- > Adjuvants +
- > Tumour clearance

Reconstruction

