Expert Recommendations for the Treatment of Recurrent Chordoma

Recurrence is suspected

MRI and CT

- Imaging shows tumor growth
  - Biopsy
    - Results positive for chordoma
      - Determining treatment options
    - Results negative for chordoma
  - Tumor is growing quickly
    - Observation with regularly scheduled monitoring
  - Imaging is uncertain
  - No tumor growth seen on imaging

Follow-up and monitoring

- STATUS OR LOCATION OF RECURRENCE
- DECISION-MAKING TEST OR PROCESS
- RESULTS
- NEXT PROCESS
- TREATMENT RECOMMENDATIONS
Expert Recommendations for the Treatment of Recurrent Chordoma

Recurrence is confirmed

- MRI of whole spine and CT scan of entire body

  - Multiple tumor nodules in region of original tumor
    - Options to delay tumor progression
  - Isolated recurrence
    - Treating skull base isolated recurrence
    - Treating sacral or mobile spine isolated recurrence
  - Metastatic disease
    - Guidelines for metastatic disease*

*See Expert Recommendations for the Diagnosis and Treatment of Chordoma booklet*
Is high-dose radiation possible?

- **YES**
  - High-dose radiation with or without maximum tumor resection
    - Comprehensive palliative and supportive care

- **NO**
  - Options to delay tumor progression
Original tumor removed in one piece and did not rupture during surgery

No previous radiation

Is en-bloc resection possible?

YES, with no major side effects
  - Surgery with or without high-dose radiation
    - Comprehensive palliative and supportive care

YES, with major side effects
  - High-dose radiation with or without maximum tumor resection
    - Comprehensive palliative and supportive care

Previous radiation

Is high-dose radiation possible?

NO
  - Options to delay tumor progression

YES
  - Comprehensive palliative and supportive care
Original tumor removed in more than one piece or tumor ruptured during surgery

Is high-dose radiation possible?

- **YES**
  - High-dose radiation
  - Comprehensive palliative and supportive care

- **NO**
  - Options to delay tumor progression
Expert Recommendations for the Treatment of Recurrent Chordoma

**Multiple tumor locations or isolated recurrence not treatable with high-dose radiation**

- Stable or slow-growing disease with no symptoms
  - Observation with regularly scheduled imaging
  - Comprehensive palliative and supportive care
- Progressive disease and/or symptoms present
  - TREATMENT OPTIONS
    - Debulking surgery
    - Low-dose radiation
    - Radiosurgery
    - Ablative therapy (e.g., radiofrequency ablation, cryoablation)
    - Systemic therapy, including clinical trials

**STATUS OR LOCATION OF RECURRENCE**

**DECISION-MAKING TEST OR PROCESS**

**RESULTS**

**NEXT PROCESS**

**TREATMENT RECOMMENDATIONS**