

This noninvasive
treatment option can help
reduce osteoarthritis pain
and improve function



LOW-DOSE RADIATION THERAPY FOR OSTEOARTHRITIS

at ROSWELL PARK COMPREHENSIVE CANCER CENTER



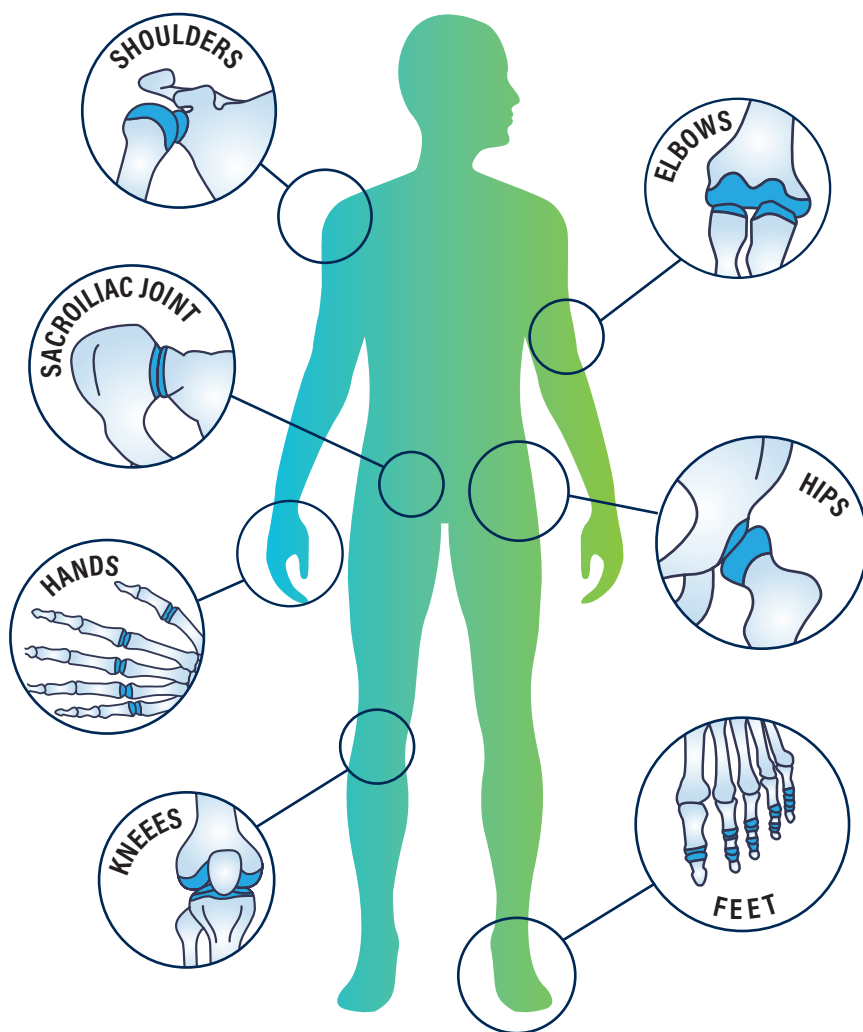
RoswellPark.org

How it Works

Osteoarthritis is not just a simple wear and tear disease. When the cartilage in a joint breaks down, it triggers the body's immune system to release inflammatory chemicals which can damage the joint further. This creates a cycle of ongoing pain, swelling and tissue damage.

Low-dose radiation therapy does not aim to destroy tissue in the joint. Instead, it acts like a reset signal for the immune system and helps to "calm down" the overactive inflammation and decrease pain, swelling and inflammation in treated tissues.

Sites We Treat



Who is eligible?

PATIENTS WHO

- Are **50+ years of age**
- Have a history of **at least moderate osteoarthritis**
- Have **failed a previous treatment**

PREVIOUS TREATMENTS INCLUDE physical therapy, oral or topical drug treatments such as non-steroidal anti-inflammatory agents, or intra-articular corticosteroid injections

What You Need to Know

VERY LOW RADIATION DOSE

Just 5% of the typical dose used for cancer treatment

Short treatment course of
6 TREATMENTS
delivered over
2-3 WEEKS

**FAST AND
PAINLESS** with
each session taking
10 minutes or less

70% of patients report a meaningful improvement in their symptoms. In some patients, results may last well past a year.



Very **low risk,**
potential high reward

→ **Essentially no
acute side effects**

- **No known cases of cancer** from using low-dose radiation therapy for benign conditions such as osteoarthritis
- **Use of non-steroidal anti-inflammatory drugs** such as ibuprofen, naproxen sodium, aspirin, and others, carry a greater excess risk, such as bleeding.
- **Surgery after radiation still possible.** Low-dose radiation therapy does not negatively affect a later surgical procedure.

Mark Farrugia, MD, PhD

Director, Adaptive Radiotherapy
Director, Lymphoma Service in Radiation Medicine
Co-Director, Genitourinary Service in
Radiation Medicine

**Request
a consultation**



Talk to your Roswell Park provider or call

1-800-ROSWELL (800-767-9355)



Elm & Carlton Streets | Buffalo, NY 14263

1-800-ROSWELL (1-800-767-9355) | RoswellPark.org