

RELIEF FOR ARTHRITIS PAIN — WITHOUT SURGERY OR DAILY MEDICATION

**Discover Low-Dose Radiation Therapy (LDRT) for Osteoarthritis Pain Relief
Now Available at all University of Maryland Radiation Oncology Clinical Sites**

Struggling with arthritis pain in your knees, hips, hands, or shoulders?

You may be eligible for a safe, gentle, and non-invasive treatment option — already used in Europe for decades and now gaining momentum in the U.S.


Recent studies show that **low-dose radiation therapy (LDRT)** can offer **significant and lasting pain relief** for patients with osteoarthritis.

What is LDRT?


LDRT uses **very low doses of radiation** — far less than what's used for cancer treatment — to reduce **inflammation and joint pain** in osteoarthritis.

- **Painless procedure**
- **No anesthesia or downtime**
- **6 short (< 30 minute) outpatient treatments over 2–3 weeks**
- **No systemic/significant side effects**
- **Can be repeated if needed**

What the Latest Research Says:

 In a 2023 U.S. study of 168 joints:

- **80% of patients** had significant pain improvement
- **Relief was still present 10 weeks later**
- Benefits were **similar across all joint types**

 In a 2024 clinical trial:

- **70% of patients** receiving LDRT for knee arthritis responded to treatment
- Patients reported **less pain, better mobility, and improved quality of life**

Who is it for?

- Adults with **mild to moderate osteoarthritis**
- Patients who have **not found relief** with over-the-counter meds or physical therapy
- Those **not ready or eligible for joint surgery**

Talk to Us!

If you're an existing patient and interested in learning whether LDRT is right for you, a family member, or a loved one, **ask a radiation oncology team member** for more information or to schedule a consultation.


Now offering evidence-based relief for arthritis pain.


Helping you live more comfortably — one step at a time.

Ask us about LDRT today—offered at all department locations, listed on the back page.

 **Low-dose radiation therapy for osteoarthritis is available at all University of Maryland Radiation Oncology sites.**

**University of Maryland Greenebaum Comprehensive Cancer Center
Department of Radiation Oncology at UMMC**


 22 South Greene Street | Gudelsky Building, Ground Floor | Baltimore, MD 21201

 410-328-6080

 <https://www.umms.org/umgccc/cancer-services/cancer-care/radiation-oncology>


Maryland Proton Treatment Center


 850 West Baltimore Street | Baltimore, MD 21201

 410-369-5200

 <https://mdproton.com/>

Central Maryland Radiation Oncology


 10710 Charter Drive | Suite G030 | Columbia, MD 21044

 443-546-1300

 <https://cmradonc.org/>


Department of Radiation Oncology | Tate Cancer Center at UM Baltimore Washington Medical Center


 305 Hospital Drive | 1st Floor | Glen Burnie, MD 21061

 410-553-8100

 <https://www.umms.org/bwmc/health-services/cancer/services/radiation-oncology>

Radiation Oncology at the Kaufman Cancer Center | UM Upper Chesapeake Medical Center


 500 Upper Chesapeake Drive | Bel Air, MD 21014

 443-643-1199

 <https://www.umms.org/uch/health-services/cancer-care/treatment-and-services/radiation-therapy>

The Requard Radiation Oncology Center at UM Shore Regional Health


 509 Idlewild Avenue | Easton, MD 21601

 410-820-6800

 <https://www.umms.org/shore/health-services/cancer/services/radiation-oncology>

UM Capital Region Health Radiation Oncology


 9333 Healthcare Way | Largo, MD 20774

 240-677-8300

 <https://www.umms.org/capital/health-services/cancer/treatment/radiation-oncology>

UM St. Joseph Medical Center Radiation Oncology

 7501 Osler Drive | Suite G03 | Towson, MD 21204

 410-427-2525

 <https://www.umms.org/sjmc/health-services/cancer/treatment-surgery/radiation-oncology>