



## Have You Received Radiation Therapy for Cancer?

The National Institutes of Health (NIH) Clinical Center is seeking people who completed radiation treatment for cancer to participate in a research study. People report significant fatigue during and months after completing radiation therapy. Researchers want to test if a one-time dose of the medication, ketamine, or an active drug (active placebo), that has similar side effects as ketamine, can reduce this fatigue. This is not a treatment study for fatigue nor for cancer. Study procedures and medications are provided at no cost. Travel costs for study visits will be reimbursed in accordance with NIH guidelines.

### Study involves:

- Six outpatient visits to the NIH Clinical Center and three follow-up phone calls
- You will receive an infusion of either ketamine or an active drug (active placebo) that will take about six hours
- About two weeks later you will receive an infusion of the opposite medication
- You will complete questionnaires and computerized thinking tests
- Portable hand-grip test
- Blood samples

### You may be eligible if you are:

- At least 18 years old
- At least three months after completing a localized radiation therapy for cancer
- Have high fatigue based on the total score from a fatigue questionnaire

### You may not be eligible if you:

- Have abnormally high or low routine blood count results
- Have a history of tuberculosis (TB)
- Have HIV; hepatitis B or C
- Have a chronic inflammatory disease such as rheumatoid arthritis
- Received radiation to the head
- Are pregnant or nursing

*The NIH Clinical Center, America's research hospital, is in Bethesda, Maryland.  
On the Metro red line (Medical Center stop).*

For more information, call:

NIH Clinical Center's Office of Patient Recruitment

1-800-411-1222 (TTY: 1-866-411-1010)

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or go online, [clinicaltrials.gov](http://clinicaltrials.gov)

search by study #15-NR-0037



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