

RADON
IS ENERGY
ENERGY
IS LIFE

CURATIVE SOURCE FROM THE CORE OF THE EARTH



HEALING ENERGY FROM THE CORE OF THE EARTH

It is the specific natural treatment source that turns a place into a spa. There are climatic spas, thermal mineral water spas, peat spas, etc. The Radon Spa Jachymov is absolutely unique and different due to its natural curative source. It uses radon water for treatment, which, unlike other sources, does not have chemical but energy effects.

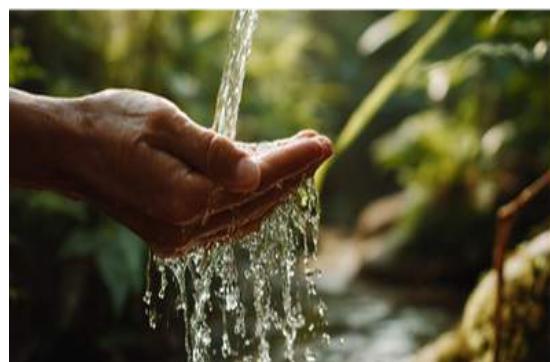
The unique source of this natural wealth in Jachymov is a still-active mine, the oldest in Bohemia and possibly even in Europe. It was established in 1518, and the springs of radon water are located on the twelfth underground level, approximately 500 meters beneath the surface.

Certainly, there are four springs used on the 12th underground level of the Svornost Mine. The water from these springs is collected in a cistern and pumped 400 meters to an accumulation reservoir, from where the radon water is distributed through about 3,000 meters of piping to the spa complex.

SPRING	CAPACITY	TEMPERATURE	RADON COTENER
Curie	30 l / min	29 °C	5 kBq/l
C1	30 l / min	29 °C	11 kBq/l
Behounek	300 l / min	36 °C	10 kBq/l
Agricola	10 l / min	29 °C	20 kBq/l

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RADIOACTIVE DEMON OR HEALER OF GENIUS?

Animals, including humans, have been developing on Earth for millions of years in environments with varying natural ionizing radiation. Organisms developed protective physiological responses—mainly regeneration processes. People can respond to ionizing radiation up to a certain level by activating these regeneration mechanisms, becoming more resistant not only to radiation but also to other physical and chemical cell damage. Jachymov spa treatment uses this phenomenon to treat musculoskeletal diseases.

Radon (isotope ^{222}Rn) is an inert gas coming from deep within the Ore Mountains and dissolving in underground springs. It emits soft, low-energy alpha radiation. During a radon bath, the body's surface is gently exposed to radon alpha particles, triggering physiological responses. Radon penetration into the bloodstream is negligible. Its biological half-life in the body is about 20 minutes, which corresponds to the duration of the bath.





HOW DO RADON BATHS AFFECT THE HUMAN ORGANISM?

Therapy means using a natural source in the optimum quality and quantity. The quality is soft alpha radiation, and the quantity is based on the strength of the Jachymov springs, refined through a century of practice. Standard treatment includes 10–24 baths with 4.5–5.5 kBq radon concentration, each lasting 20 minutes.

The absorbed energy stimulates tissue regeneration and reduces harmful oxidative stress (free radicals from chemicals, processed foods, and environmental exposure). It enhances hormone production, including analgesic and anti-inflammatory ones, and activates the immune system. These processes continue for 4–6 weeks after the last bath.

This leads to relief of pain and inflammation and improves the function of joints, muscles, tendons, blood vessels, and nerves. In most cases, relief lasts over six months, improving patients' quality of life and reducing reliance on analgesics.



UNNECESSARY WORRIES ABOUT MEDICAL RISKS IN RADON BATHS

Most people hear mainly negative information about ionizing radiation—nuclear weapons, mass destruction, radiation sickness, and similar threats. Radiation therapy is often associated only with cancer treatment. Yet ionizing radiation, when administered by a medical professional, is far less risky than penicillin, for example. People still die from allergic reactions to penicillin, whereas nobody has died as a result of controlled medical irradiation. Every physical treatment must be carried out under medical supervision; only then can the positive effects of this natural energy be safely utilized.

A dosimetry laboratory, responsible for supervising the prescribed procedures both during the pumping of radon water and the subsequent provision of radon baths in spa facilities, is part of the Jachymov Spa complex. The radon content in both water and air is carefully monitored and checked on a regular basis, and every guest undergoes a full medical examination upon arrival at the spa hotel, both clinically and through laboratory tests. The best proof of safety is the fact that many patients return for treatment repeatedly—some for ten, twenty, or even thirty years. Their quality of life has significantly improved, thanks to radon therapy, even in the face of serious chronic illnesses.

FOR WHOM IS RADON TREATMENT NOT SUITABLE?

- Patients with any acute illness, such as infections, unstable arterial hypertension, heart or respiratory problems, uncontrolled diabetes, untreated hyperthyroidism, etc.
- Pregnant women.
- Children and adolescents under 18.

Patients within two years after surgery or other forms of cancer treatment, unless approved by their oncologist.



WHAT PROBLEMS IS RADON TREATMENT SUITABLE FOR?

Radon treatment is gentle and does not strain the body with heat load, circulation burden, or acid-base imbalance. It is suitable even for seniors and sensitive individuals. It is primarily used for chronic musculoskeletal diseases, including:

- Inflammatory and rheumatic diseases (rheumatoid arthritis, psoriatic arthritis, lupus, fibromyalgia, ankylosing spondylitis)
- Pain and stiffness from wear or degeneration (osteoarthritis, herniated discs, tendon/ligament/meniscus damage)
- Metabolic disorders (osteoporosis, gout, porphyria)
- Peripheral nerve or spinal root damage (neuritis, neuralgias, paralysis, root syndromes, polyneuropathies, carpal tunnel)

Radon therapy also benefits postoperative and post-injury conditions requiring healing and regeneration (joint replacements, spinal surgeries, and extensive burn scars). It helps with conditions related to energy imbalance:

- Vegetative lability, neurocirculatory weakness
- Age-related strength decline
- Exhaustion in demanding professions
- Recovery for top athletes

It helps maintain functional reserves in early-stage neurological diseases (multiple sclerosis, Parkinson's). Finally, it is effective for peripheral vascular diseases (vasoneurosis, extremity ischemia from atherosclerosis, post-thrombotic conditions, and rheumatic vasculitis).

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