



MAYFAIR DIAGNOSTICS

WHOLE BODY IMAGING

This non-invasive, multi-dimensional screening view of the body can be used to evaluate possible conditions before they become a concern, allowing your patients to better manage their health. Our service helps provide peace of mind through early detection of cancer, monitoring of changes over time, and assessment of health risks related to family history.

Whole body imaging (WBI) takes approximately one hour and provides multiple scans of the head, neck, chest, abdomen, and pelvis. It includes:

- Brain, including the major arteries in the head.
- Entire spine and spinal cord.
- Major organs of the body, including the salivary and thyroid glands, lymphatic system, liver, pancreas, spleen, gallbladder, adrenal glands, kidneys, bladder, uterus (female), ovaries (female), prostate (male), and testicles (male).
- Lungs and bowel are not well imaged, however supplemental low-dose CT scans of the lungs and colon can be ordered for an additional fee.
- Arms and legs are NOT included, but depending on the patient's height, some imaging of the thighs may be possible.
- Joints (elbows, wrists, shoulders, hips, knees, ankles) are NOT included, but can be added for an additional fee.

Whole body imaging may help detect various forms of cancer, multiple sclerosis, brain aneurysms, narrowing of the arteries, ischemic injury, masses, vascular malformations, metabolic disorders, disc herniations, and spinal degeneration.

WBI scans are not covered by Alberta Health Care.

Mayfair has updated our MRI/CT requisition to reflect this service.

To receive new requisitions or update your EMR:

- Email BD@radiology.ca
- Download at radiology.ca/requisition-forms



CONTACT US

MRI Booking Line: 403.777.4674
MRI Fax: 403.777.3198

Email: bd@radiology.ca
radiology.ca



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At Mayfair, whole body imaging can serve as supplementary to, but is not intended to take the place of other established evidence-based screening practices for early detection of specific malignancies (e.g., breast imaging, colonoscopy, Pap-smear screening for cervical cancer, low-dose chest CT). As with any medical exam or test, there are limitations with whole body imaging which makes it impossible to detect all malignancies and diseases.

Solid lesions of one centimetre or larger within the neck, head, chest, abdomen, and pelvis can be effectively visualized with whole body imaging. Also, the test is generally sensitive and specific for detection of cerebral artery aneurysms of three millimetres or greater in size.

However, whole body imaging does not evaluate the heart or heart vessels, and it does not evaluate lung microarchitecture or pulmonary micronodules. Whole body imaging does not replace dedicated breast imaging for screening or diagnostic evaluation, such as mammography, breast ultrasound, and breast MRI with contrast. Whole body imaging is limited in the evaluation of the gastrointestinal tract and does not replace endoscopy or colonoscopy and cannot detect bowel polyps. Whole body imaging is limited in its assessment of the large joints as it is not designed for detailed examination of joint ligaments, cartilage, menisci, and labrum. Whole body imaging is not a primary screening modality of the skin which is best diagnosed by direct physical examination.

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