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Lung Cancer Diagnosis

Reduct & Bioproc Cancer & Treatment

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Our mission, vision & core values

Leadership

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Because certain chemotherapy drugs are either more or less effective than others against tumors with specific mutations, molecular analysis of your tumor, also called genomic testing, can help determine which therapies will be most likely to benefit you.

Lung Cancer Genomic Testing (EGFR, KRAS, ALK)

centers in the world to include this step. Based on which mutations we find, we may have a drug that has been approved for the changes in your specific tumor. Or you may be able to [join a clinical trial](#) that is testing a new drug.

Genetic information about your tumor can also help us predict the chances that your cancer will return after surgery and make other treatment decisions about [surgery](#) or [radiation therapy](#).

Request an Appointment

Call [646-497-9163](tel:646-497-9163)

Available Monday through Friday, 8 a.m. to 6 p.m.

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Testing for Specific Genetic Mutations

Samples from people with lung cancer at Memorial Sloan Kettering are routinely tested for all the major genetic mutations that are known to be important in the development of the disease. Our experts use a variety of technologies, including a new testing approach called [MSK-IMPACT™](#) that screens for mutations in more than 300 genes at once.

Almost all of these genetic changes are found only in cancer cells, not in normal cells, which means they cannot be passed on to your children. The most common genetic changes that we test for in lung cancer are in the genes *EGFR*, *KRAS*, and *ALK*.

Testing for EGFR and KRAS Mutations

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Testing for Rearrangement of the ALK Gene

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Testing for Squamous Cell Lung Cancer Mutations

+

Testing for Small Cell Lung Cancer Mutations

+

PREVIOUS

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