



Siddhartha Mukherjee

Doctor and writer who explains medical science clearly.

Rank #8

Elite 10

#	Word	Definition / Example
1	oncological	relating to the study and treatment of tumors and cancer "Oncological research has transformed cancer from a monolithic terror into a constellation of distinct and addressable diseases."
2	pathophysiology	the study of how diseases affect the body's functions "Understanding pathophysiology at the cellular level has made possible interventions unimaginable to the previous generation of clinicians."
3	genomic	relating to the genome, which is the complete set of genes in an organism "Genomic sequencing has revealed that cancers carry biographical signatures — records of every mutagen they encountered across a lifetime."
4	carcinogenic	adj. causing or tending to cause cancer "Identifying carcinogenic exposures in populations transformed cancer medicine from purely reactive treatment into genuine prevention."
5	immunotherapy	a treatment that helps the immune system fight diseases, especially cancer "Immunotherapy harnesses the body's own surveillance architecture, redirecting it against malignancies it had learned to tolerate."
6	epigenetic	relating to changes in gene activity that do not involve alterations to the DNA sequence "Epigenetic modifications — chemical annotations on the genome — can silence or activate genes without altering the underlying sequence."
7	metastatic	relating to cancer that has spread from the original site to other parts of the body "Metastatic spread remains the pivotal moment in cancer's biography — the transition from local disturbance to systemic emergency."
8	embryological	relating to the study of embryos and their development "Embryological development and cancer share unsettling molecular commonalities — growth without restraint echoes genesis without governance."
9	clinicopathological	the study that connects clinical observations with pathological findings "Clinicopathological correlation — matching bedside observation to microscopic finding — remains the foundation of diagnostic reasoning."
10	therapeutic	adj. of or relating to the treatment of diseases or disorders by using healing agents or methods "Each therapeutic advance against cancer has revealed new layers of biological complexity demanding yet further investigation."
11	hematopoietic	relating to the formation of blood cells "Hematopoietic stem cell transplantation reconstructs an entire immune system — an act of biological reinvention without parallel in medicine."
12	pharmacological	relating to the study of drugs and their effects on living organisms "Pharmacological precision targeting specific molecular drivers has replaced the blunt instrument of generalized cytotoxic chemotherapy."
13	morphological	adj. related to the form or structure of things. "Morphological examination of cancer cells under the microscope first revealed that malignancy had its own distinctive visual grammar."

#	Word	Definition / Example
14	palliative	adj. serving to make less painful or severe. “Palliative care, practiced with skill and compassion, is not the abandonment of medicine but its most humanistic expression.”
15	regenerative	adj. able to grow new or healthy tissue. “Regenerative medicine draws inspiration from cancer's own playbook — reprogramming cells to serve healing rather than destruction.”