

| Term | Meaning |
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| Anaplastic | Rapidly growing malignant tumours with a loss of normal cell characteristics. |
| Angiaganaia | |
| Angiogenesis | The process of how new blood vessels form from pre-existing blood |
| | vessels. |
| ATP | A nucleotide that is an energy source. |
| Carcinogenesis. | The multistep process where a normal cell evolves into a invasive cancer cell. |
| Carcinoma | Cancer that arises from the epithelium that lines the skin and internal |
| | organs. |
| Catalytic subunit | Protein subunit that contains the active site where the specific |
| | molecule/substrate binds with the enzyme. They are other sites where |
| | they bind with the regulatory subunits. |
| Cation | An ion that has a positive charge. |
| Chemokine | Proteins that guide the movement of white blood cells and cells that line |
| | organs (epithelial) and blood vessels (endothelial) |
| Chemotherapy | Chemicals used to treat cancer. |
| Cirrhosis | Liver condition as a result of alcoholism or injury. |
| Cyclin | A protein that facilitates the cell to go through the cell cycle by binding to |
| | a cyclin-dependent kinase. |
| Deformation | A change in shape |
| Depolarisation | The movement of charged ions across the membrane of a nerve/muscle |
| | cell. |
| Differentiation | Changes to cell shape and function where unspecialised cells divide to |
| | become specialised for specific functions. |
| Fibrolamellar | A rare liver cancer that grows in teens and adults under the age of 40. |
| hepatocellular | Patients with FHC do not necessarily have damage nor alcohol, some |
| carcinoma (FHC) | cases have healthy livers. |
| Glutamate | Otherwise known as glutamic acid. It is a type of neurotransmitter and |
| | amino acid. |
| GTPase | GTPase activating |
| | proteins (GAPs) catalyze the hydrolysis of GTP to GDP. |
| Guanosine | They are proteins that stimulate GTPases by releasing guanosine |
| exchange factor | diphosphate (GDP) to allow binding of guanosine triphosphate (GTP) |
| (GEF) | |
| Haemopoiesis | Production of red blood cells and platelets. It occurs in the bone marrow |
| Hepatitis | Inflammation of the liver caused by viruses or immunological changes. |
| Hepatocellular | Related to liver cells |
| Heteromeric | Different parts |
| Homolog | The similarity of form in living organisms |
| | The chimarky of form in ning organisms |



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|----------------------------------|--|
| Hyperpolarisation | A change in the membrane potential when a cell becomes more polar. |
| | The membrane potential is the difference between electric charges inside and outside the cell. |
| Innate immune | It is the pre-existing defence mechanisms that help prevent infection by pathogens. |
| Interleukin | They are proteins produced by white blood cells and released when |
| | activated by an antigen. They control haemopoiesis and immune system. |
| Interleukin 8 (IL-8) | A chemokine produced by macrophages, epithelial cells, smooth muscle |
| | cells in the airways and endothelial cells. Its function is in cell survival |
| | and proliferation and has a specific target for the neutrophil. |
| Lysophosphatidic | |
| acid (LPA) | A lipid that has effects on tissues on the nervous system. |
| Metabolism | The sum of chemical and physical changes that occurs in the body. |
| Neuropeptides | A peptide found in the nerves. |
| Nucleotide | A molecule that has a phosphate group, five-carbon sugar and base. |
| Perception | Information about the world received by senses |
| Pleomorphic | A rare dermal-based malignant tumours that presents invasion in the |
| dermal sarcoma | subcutaneous tissue, necrosis and invasion in the lymph vessels (LVI) |
| (PDS) | |
| Polymerisation | The process of how polymers are formed from small molecules called monomers. |
| Promoter | The site where transcription starts. |
| | It is also the name of the site where in conjunction with an initiator leads |
| | to production of cancer. |
| Radiotherapy | The treatment of cancer using radiation e.g. X-rays. |
| Regulatory | a protein subunit that helps or inhibit the activity. It is bound with the |
| | catalytic subunit. |
| ROCK | An effector protein in which the GTPase, RhoA, binds. |
| Rho-associated | RhoA regulates the actin proteins involved in cellular movement. |
| kinases | |
| Tetramer | A protein made of four subunits. |
| Transmembrane | A transmembrane protein embedded in the membrane embedded in the |
| | hydrophobic region of the phospholipid layer. |
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