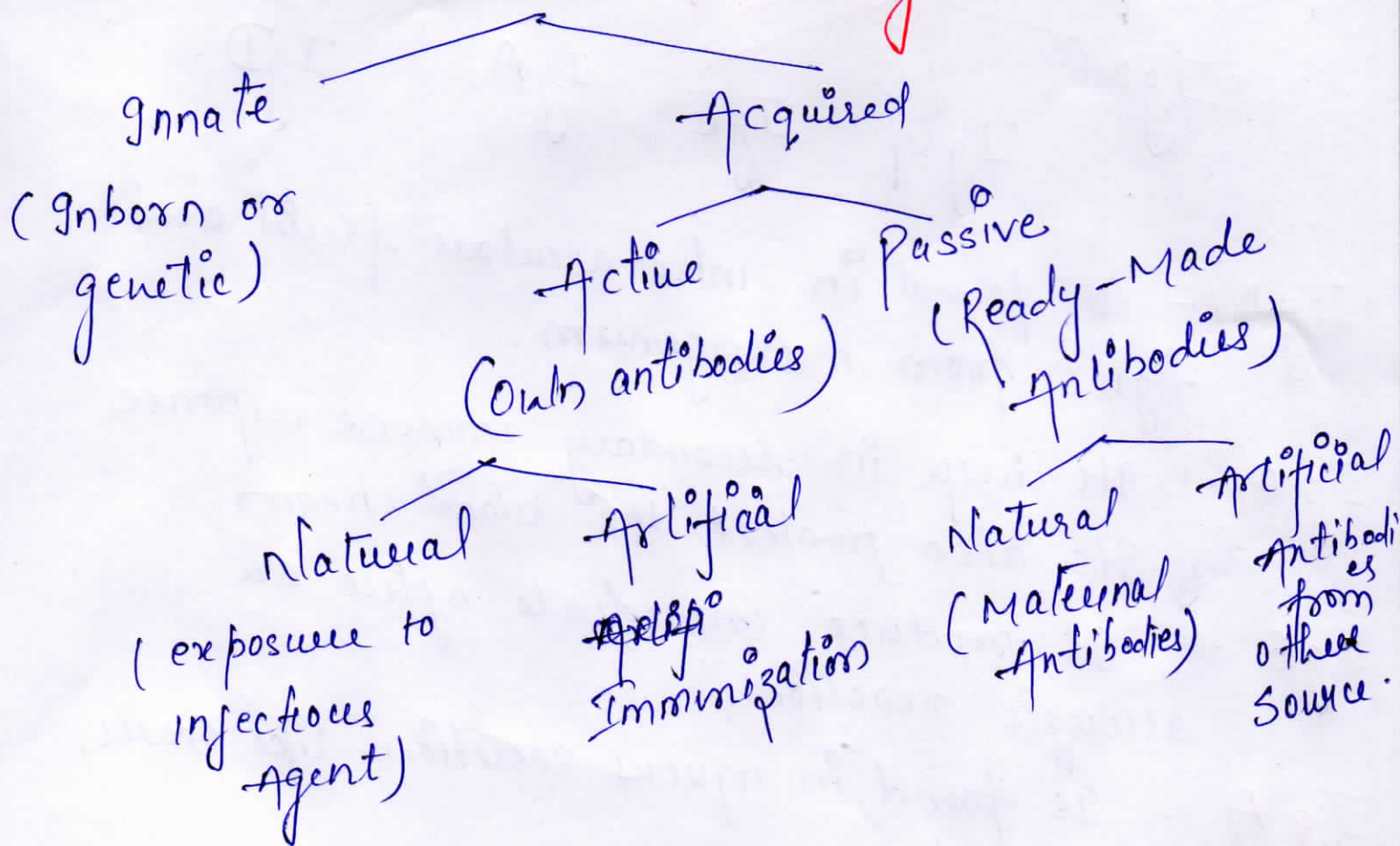


UNIT-4

Altered Immune Response

Immunity :-> It is defined as the ability of body to fight against the disease is known as immunity.

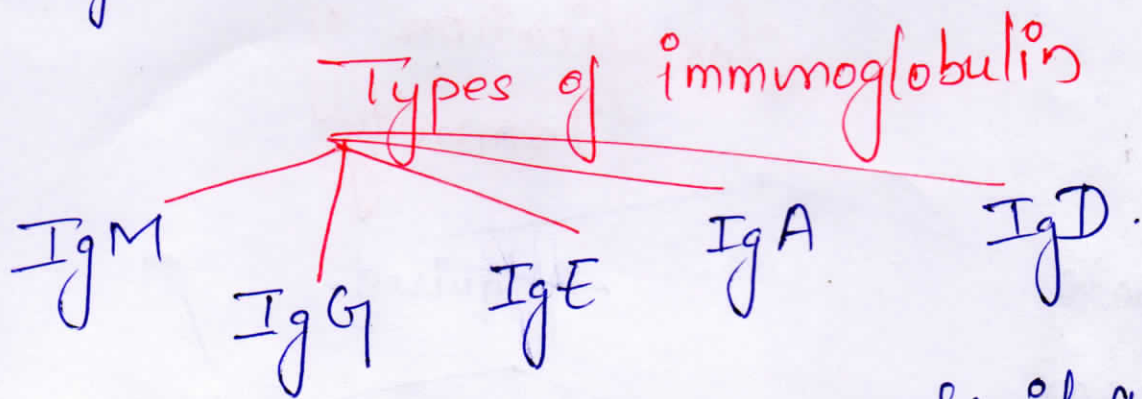
Classification of Immunity



Immunity can be humoral and self mediates
In humoral (B lymphocytes present)
In self mediates → (T lymphocytes present)

Antibodies :- \rightarrow Is the substance which produce by B lymphocytes cells to fight against any infection or disease.

Immunoglobulins :- \rightarrow It is a group of proteins which form by the lymphocyte and plasma cell in response to antigen.



IgM - It found in intravascular fluid and fight from microorganism.

IgG \rightarrow Its help in secondary immune response. Its also protect the blood stream.

IgE \rightarrow It produce immediate after an allergic reaction.

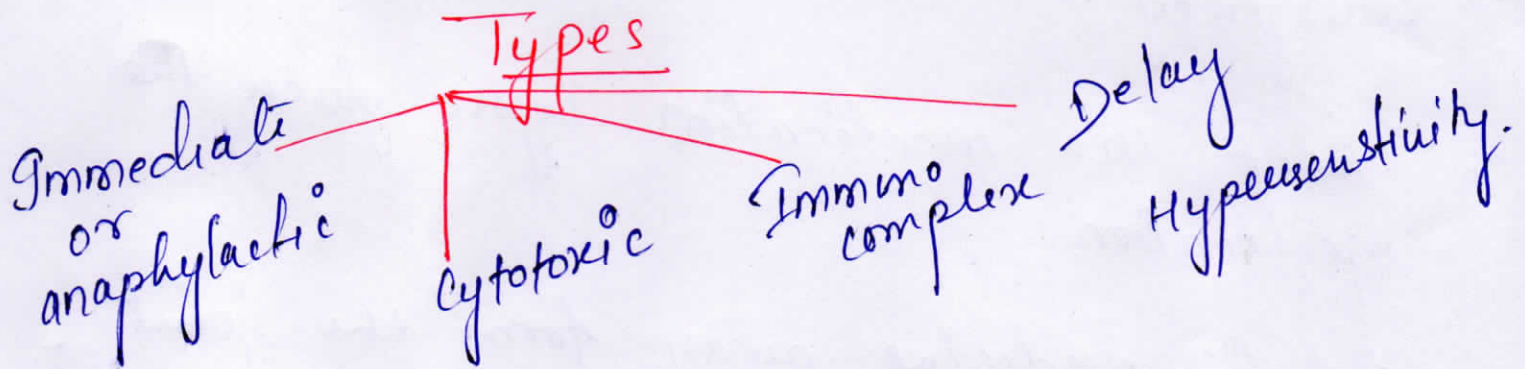
IgA :- It found in mucus secretion like tears, saliva etc.

IgD :- \rightarrow The function is unknown.

Hypersensitivity

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It is an abnormal excessive reaction of any allergen on re-exposure. It does not occur in first exposure of allergen.



Immunotherapy

Immunotherapy is a desensitization (slow) of the immune system. Immunotherapy is primarily used to treat anaphylactic or immediate hypersensitivity i.e. IgE.

features of immunotherapy :->

- Specific allergen is identified by skin test.
- Initially small amount of dose started given at weekly interval
- Give slowly according to patient tolerance.
- Maintain dose given every 2 to 4 weeks for a period of one to many years for maximum benefits.

Nursing Responsibility

- Observe patient for side effects like urticaria, pruritis, sneezing
- Emergency equipments ready for any emergency.
- Check the medication before given the medication
- Admⁿ. medicine away from the joint.
- The nurse should aspirate for blood prior to administration of allergen injection
- Observe patient for 30 mins after the injection for any allergic reaction.
- Advise the patient for delay adverse reaction.