

Immune Disorders

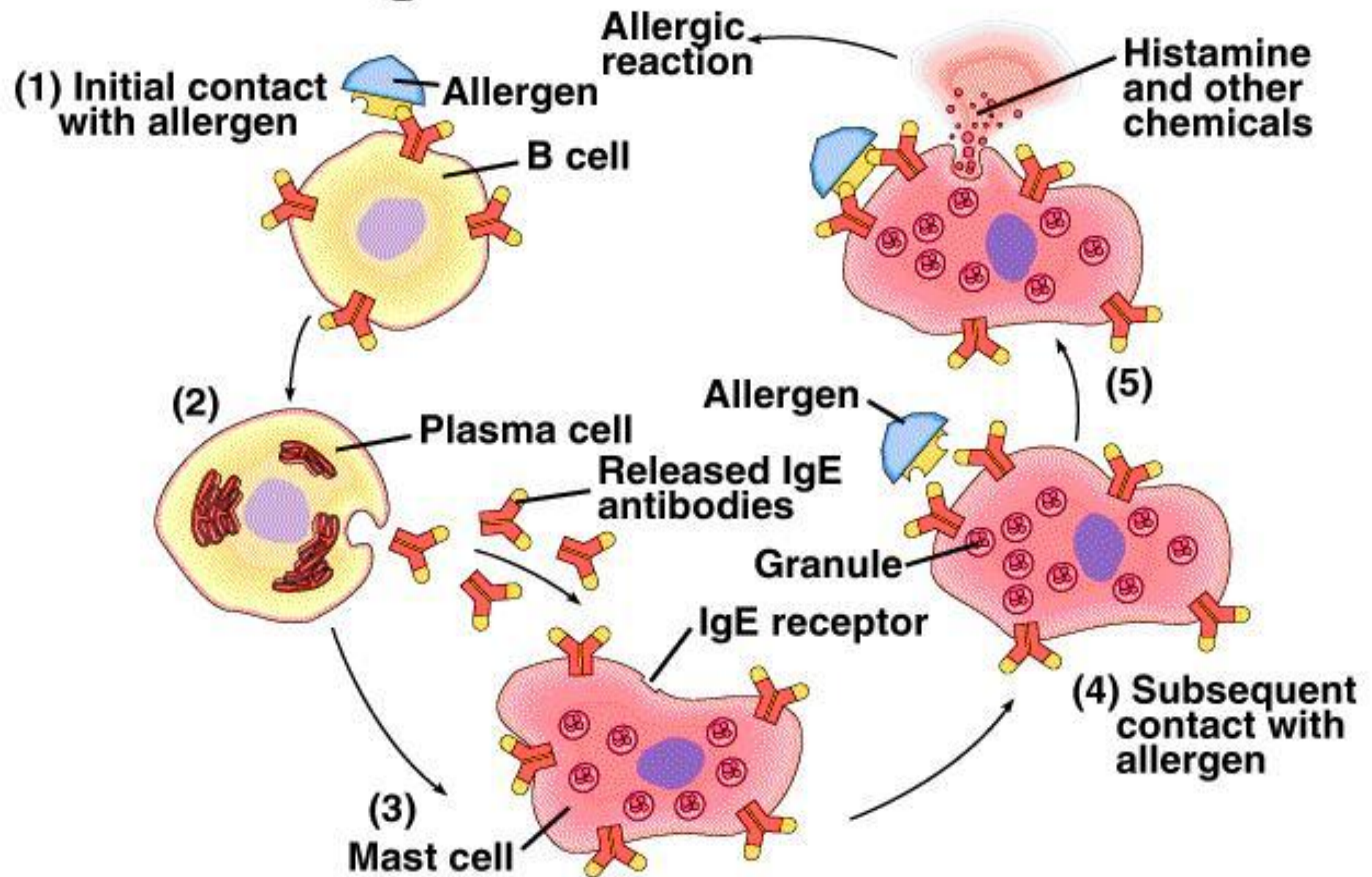
Itchy ears,
buzzing sound

Red, itchy,
watery eyes

Sneezing,
congestion,
runny nose

Itchy or sore
throat, post-
nasal drip,
cough

An Allergic Reaction — Overview



Allergies

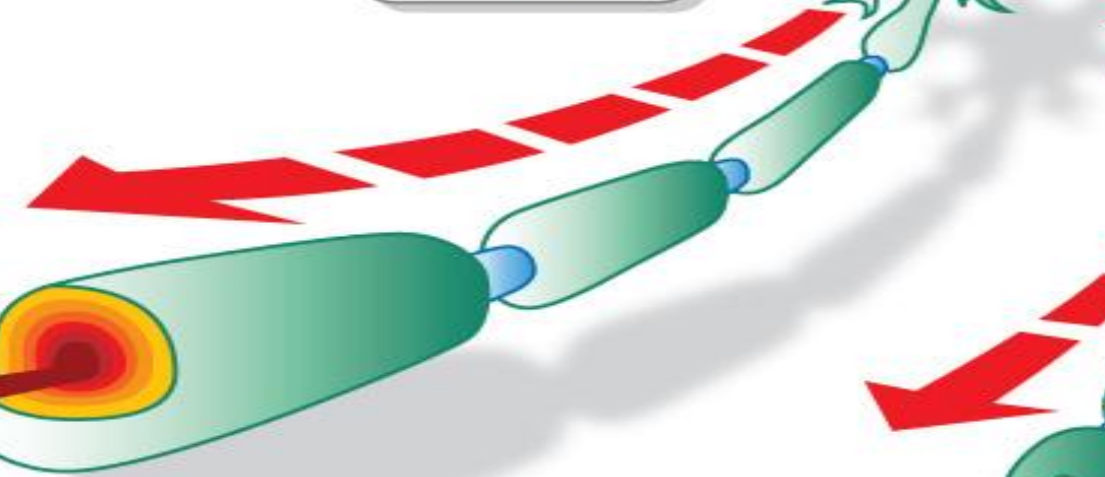
- Your Immune system over-reacts to pollen
 - Your body thinks it's being invaded by something dangerous
 - Mast cells release Histamines
 - Cause: runny nose, watery eyes, blood flow and mucus
- **ASTHMA**
 - Allergic reaction of the lungs

Autoimmune Disease



HEALTHY NERVE

nerve cell



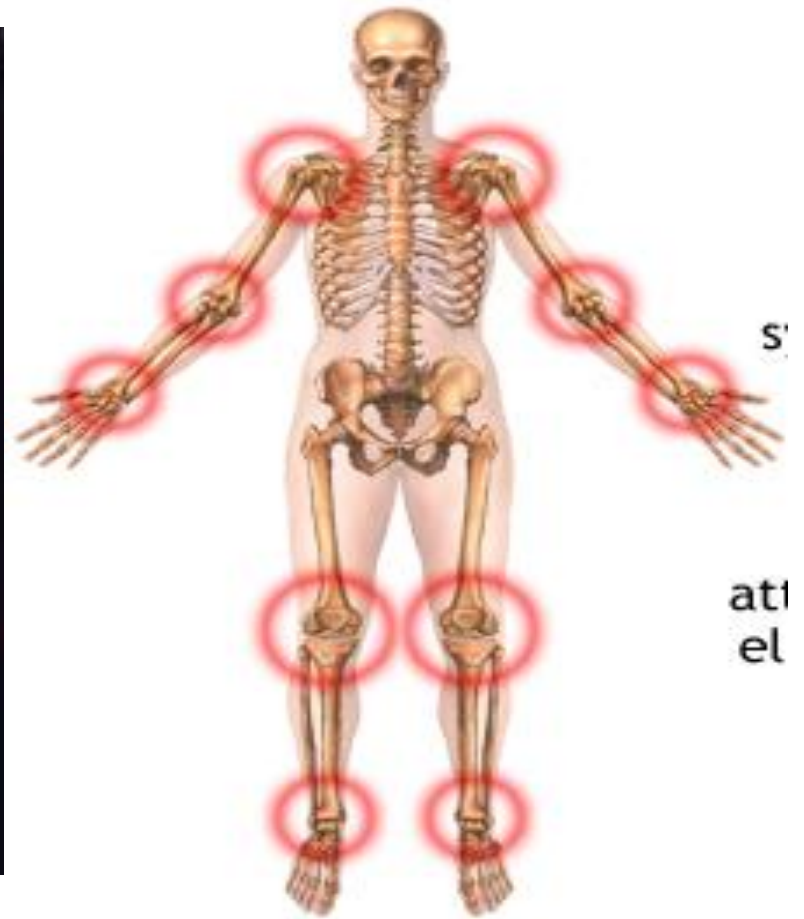
nerve fibre

myelin sheath



scarred myelin

DAMAGED NERVE

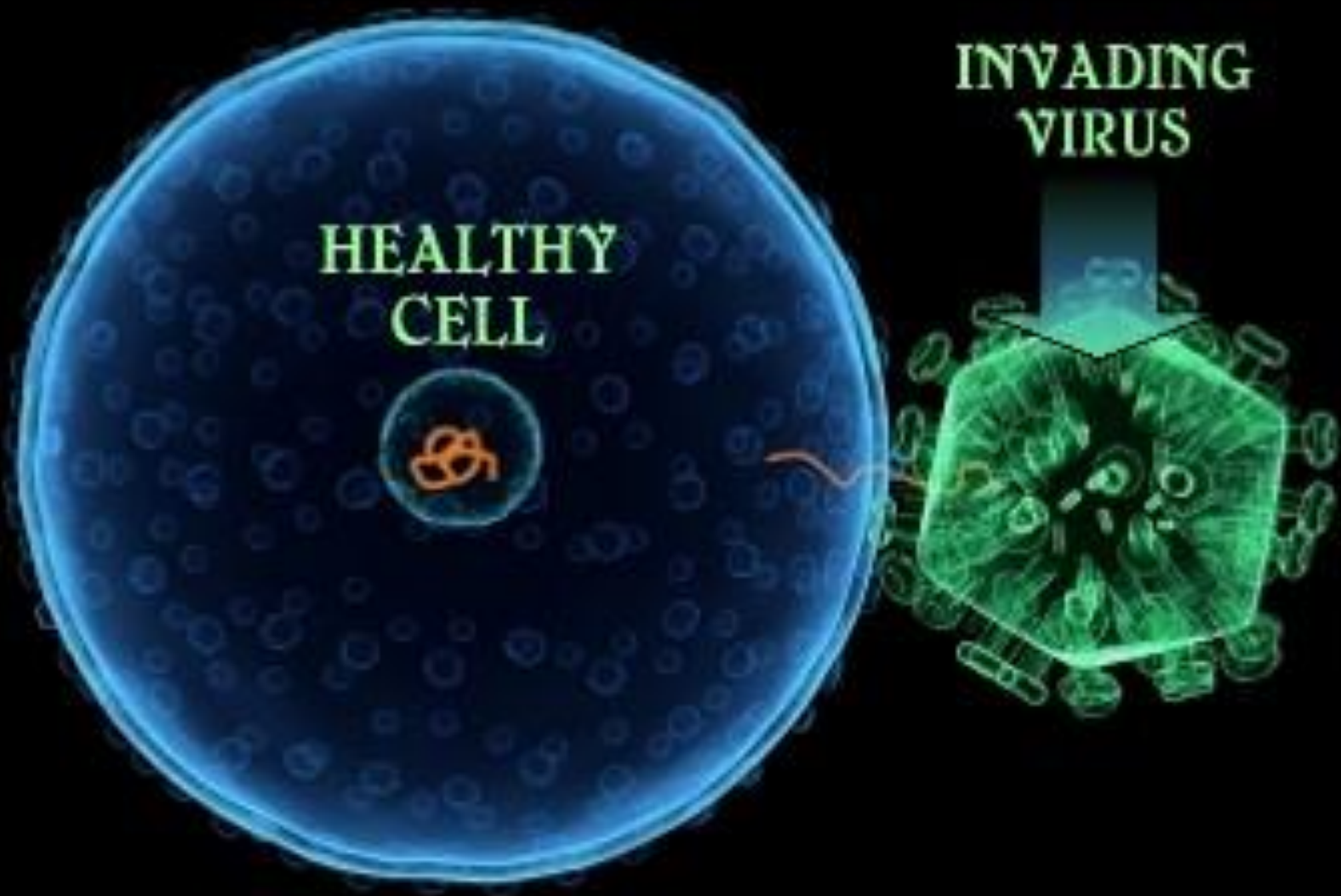


Autoimmune Diseases

- When the Immune system attacks its own body

	Example	Part of body attacked
1	Type 1 Diabetes	Pancreas
2	Rheumatoid Arthritis	Joints
3	Multiple Sclerosis	Nerves





INVADING
VIRUS

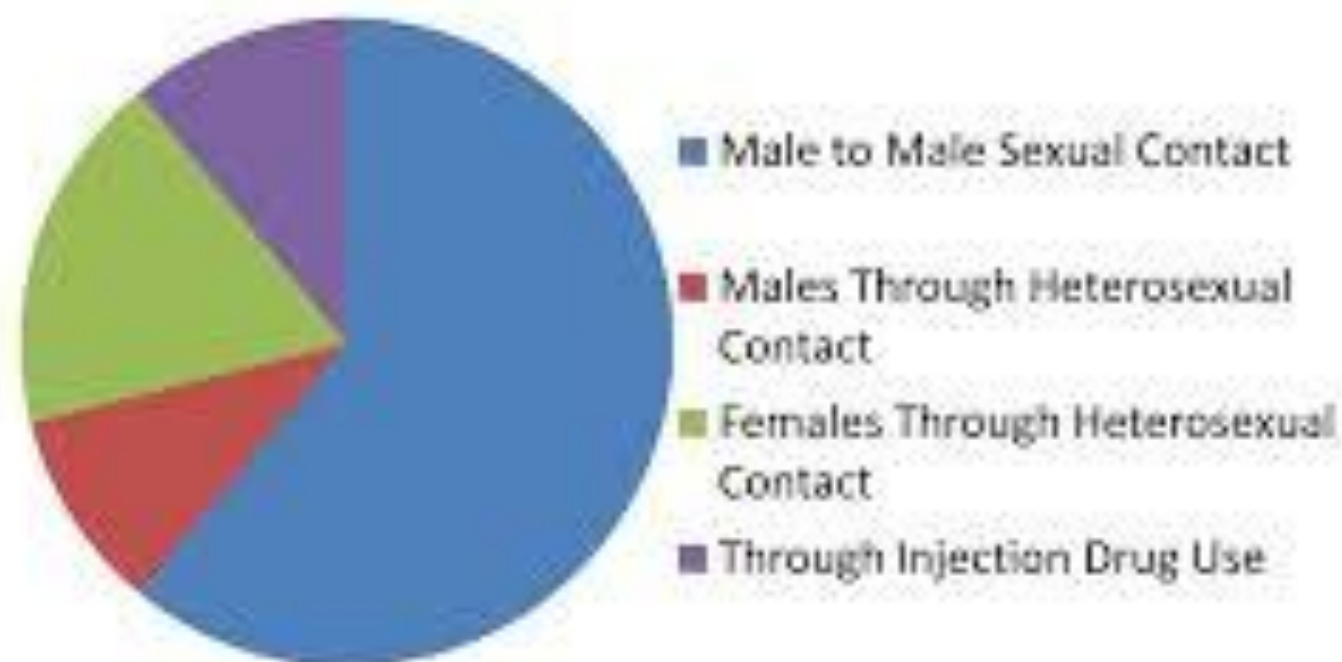
HEALTHY
CELL

a little leaven leavens the whole lump. Beware of spiritual leaven Mt 16:16

HIV: Immunodeficiency Diseases

- **Human Immunodeficiency diseases (HIV)**
 - **Virus that causes AIDS**
 - HIV infects and kills T-Helper cells
 - Breaks down the immune system
 - **Leads to opportunistic infections (pneumonia)**
 - With out T-Helper cells our body can not fight
 - **Antigens mutate quickly so our immune system can not keep up with the changes**

CDC Estimated New HIV Infections in 2010 by Transmission Category



98

% OF

HIV+

MOTHERS

WITH ANTIRETROVIRAL
DRUG THERAPY

GIVE
BIRTH
TO

HIV-

CHILDREN

source: UNAIDS 2011

Without ARTs
only 55-80% of children
are born HIV negative.

#GoodNews4aChange

newswire.crs.org/good-news-for-a-change

 **CRS**
CATHOLIC RELIEF SERVICES

10/10/11

