

# Understanding Cancer

**A SERIES OF SIMPLE EDUCATIONAL VIDEOS  
FOR THE GENERAL PUBLIC**



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# Understanding Cancer

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*Part 5: What are the different types of  
cancer?*

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**There are  
more than  
200 types  
of cancer.**





**Cancers are named after the area or site they begin with and the type of cell.**



**C** arcinoma

**S** arcoma

**M**elanoma

**L**ymphoma

**L**eukaemia

**Main  
types of  
cancer.**

# Carcinoma

It is the most common type of cancer.

It begins in the skin or lining of organ tissues i.e.

Lungs, breasts, colon, pancreas and glands.

## ***Subtypes:***

Basal cell carcinoma.

Squamous cell carcinoma.

Renal cell carcinoma.

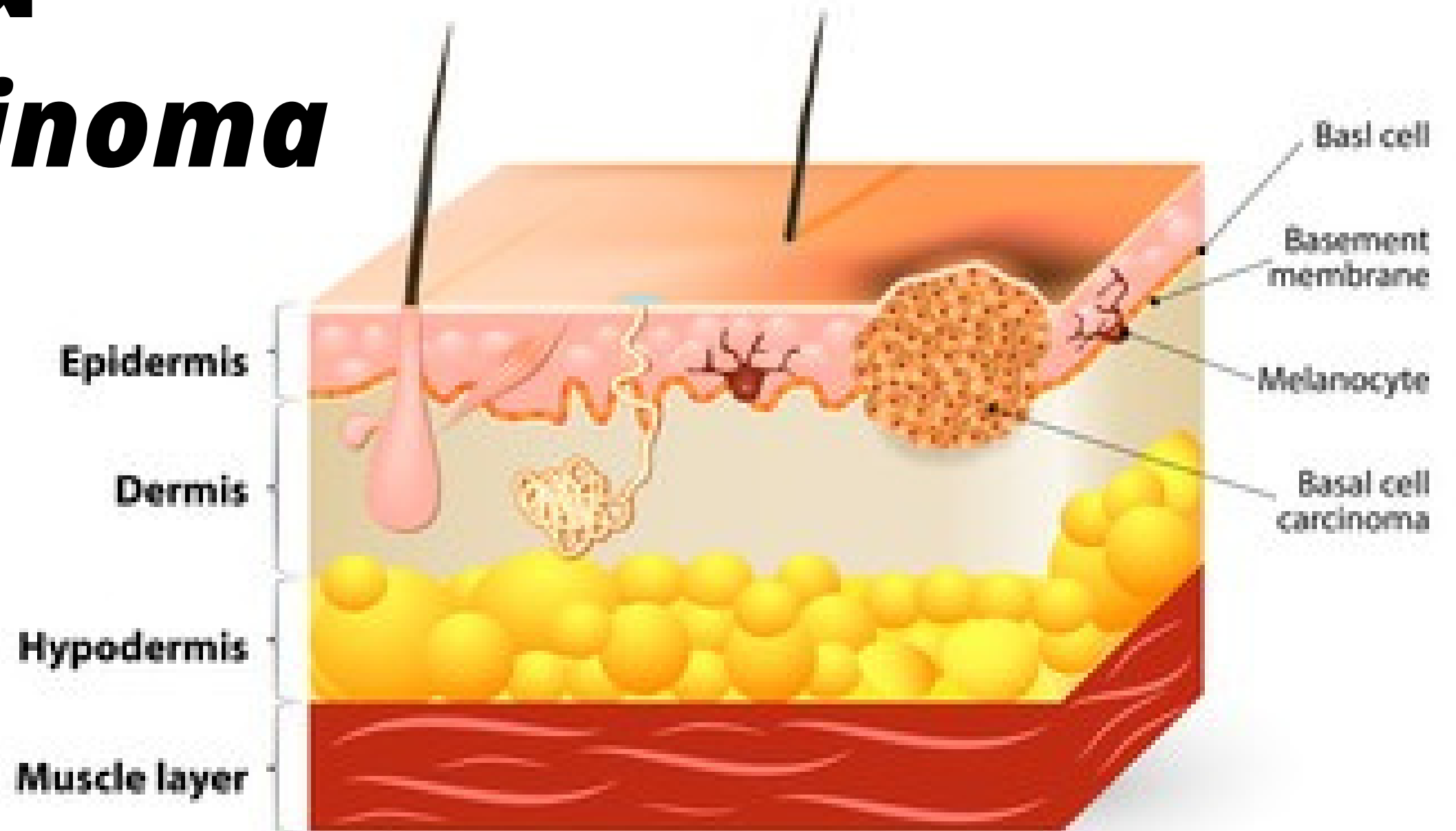
Ductal carcinoma in situ.

Invasive ductal carcinoma.



# Carcinoma

## *Basal cell Carcinoma*

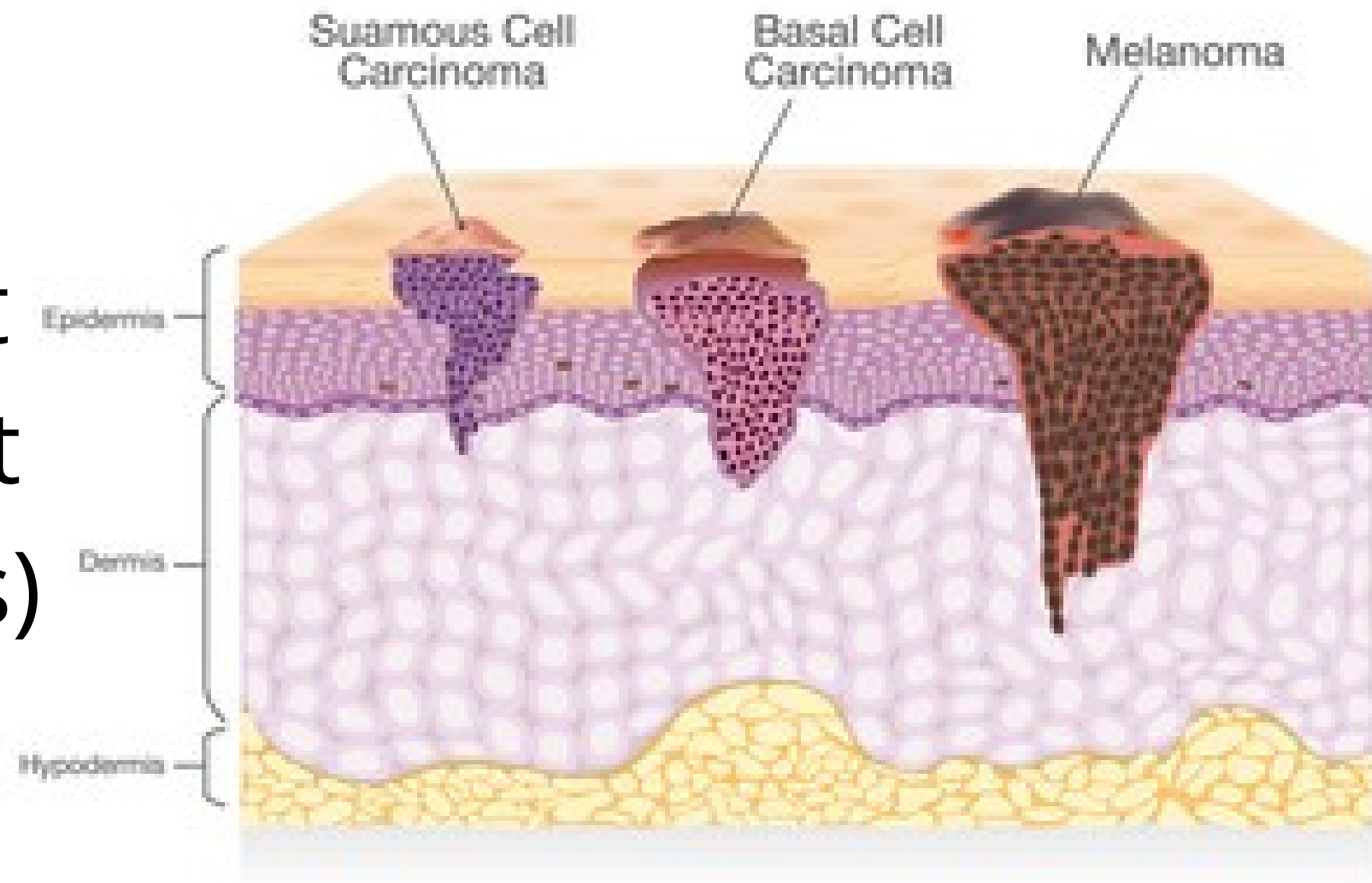


Cancer of the deeper skin layer

# Carcinoma

## *Squamous cell Carcinoma*

Cancer of flat squamous cells that make the outermost skin layer (epidermis)

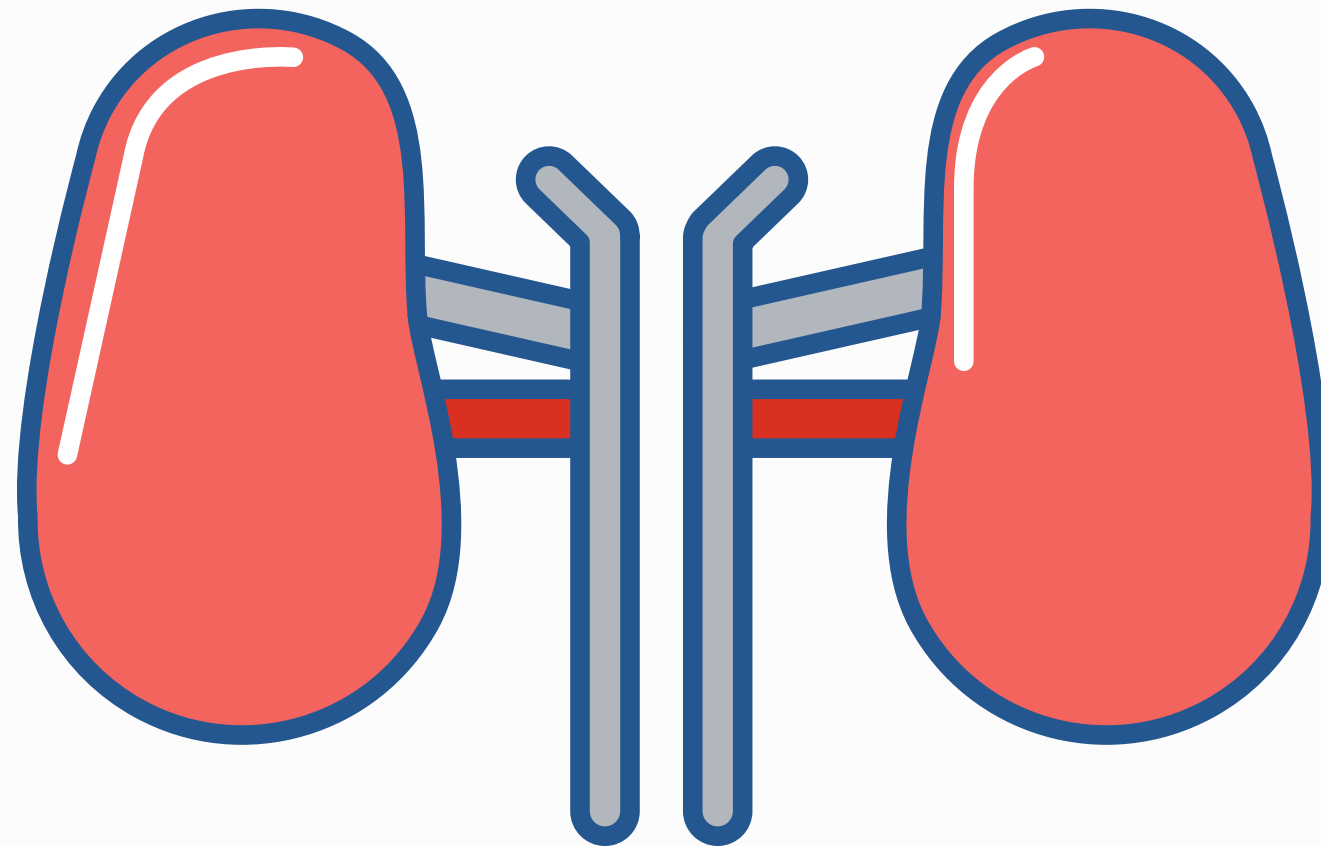




# Carcinoma

## ***Renal cell Carcinoma***

Most common type of kidney cancer in the lining of small kidney tubes called tubules.



# Carcinoma

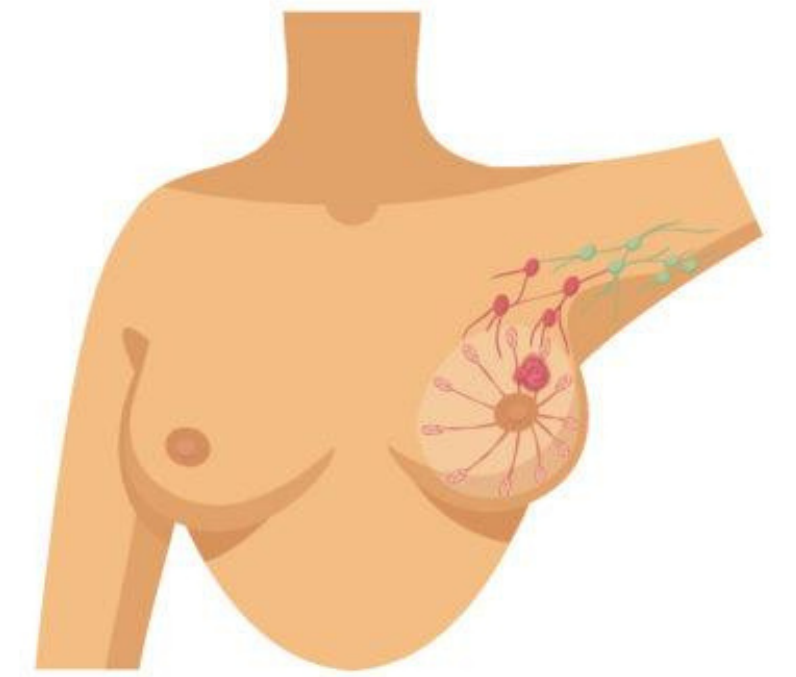
## ***Ductal Carcinoma in situ***

Most common type of breast cancer.

Lining of the milk ducts.

## ***Invasive ductal carcinoma***

In the duct lining of the breast tissue.



breast cancer



# Sarcoma

Cancer of the connective or supportive tissues:

***Bone***

***Muscle***

***Fat***

***Blood vessels***

***Cartilage***

## SARCOMA Types

### Angiosarcoma

Malignant neoplasm in the vessel walls

### Osteosarcoma

Tumor in a bone

### Ewing's sarcoma

Bone

### Chondrosarcoma

Cartilage

### Gastrointestinal stromal tumor

Mesenchymal neoplasms of the gastrointestinal tract

### Liposarcoma

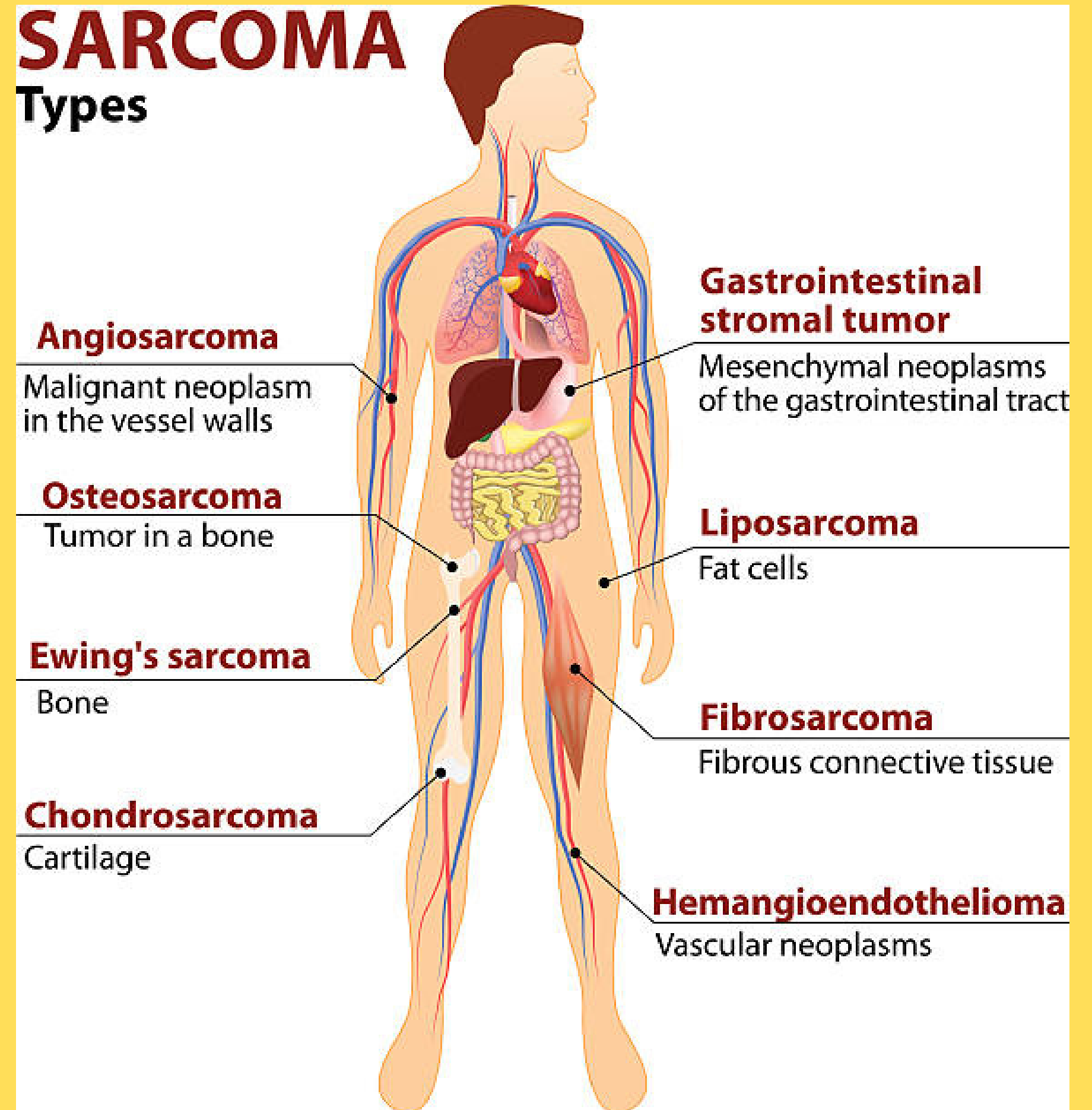
Fat cells

### Fibrosarcoma

Fibrous connective tissue

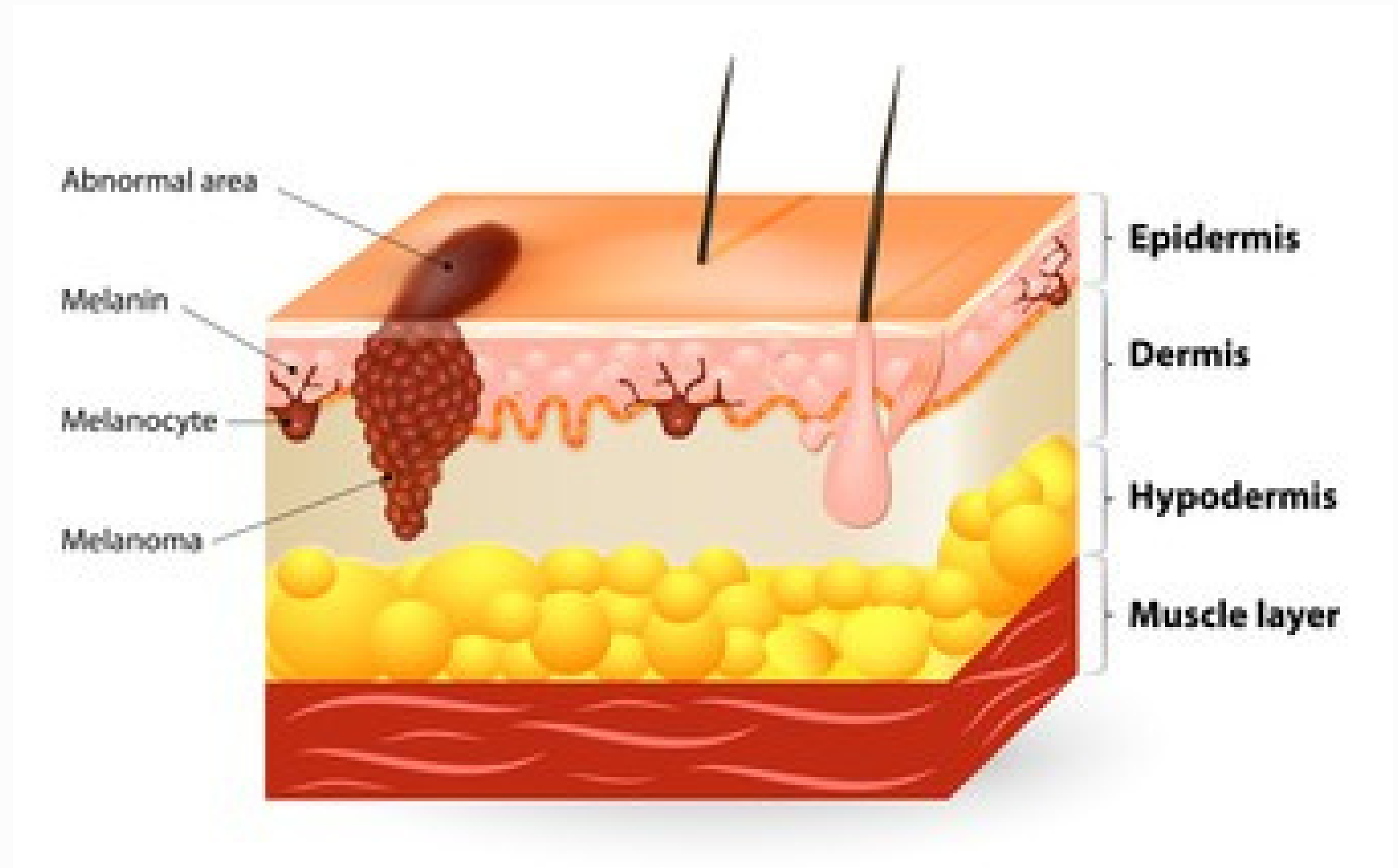
### Hemangioendothelioma

Vascular neoplasms



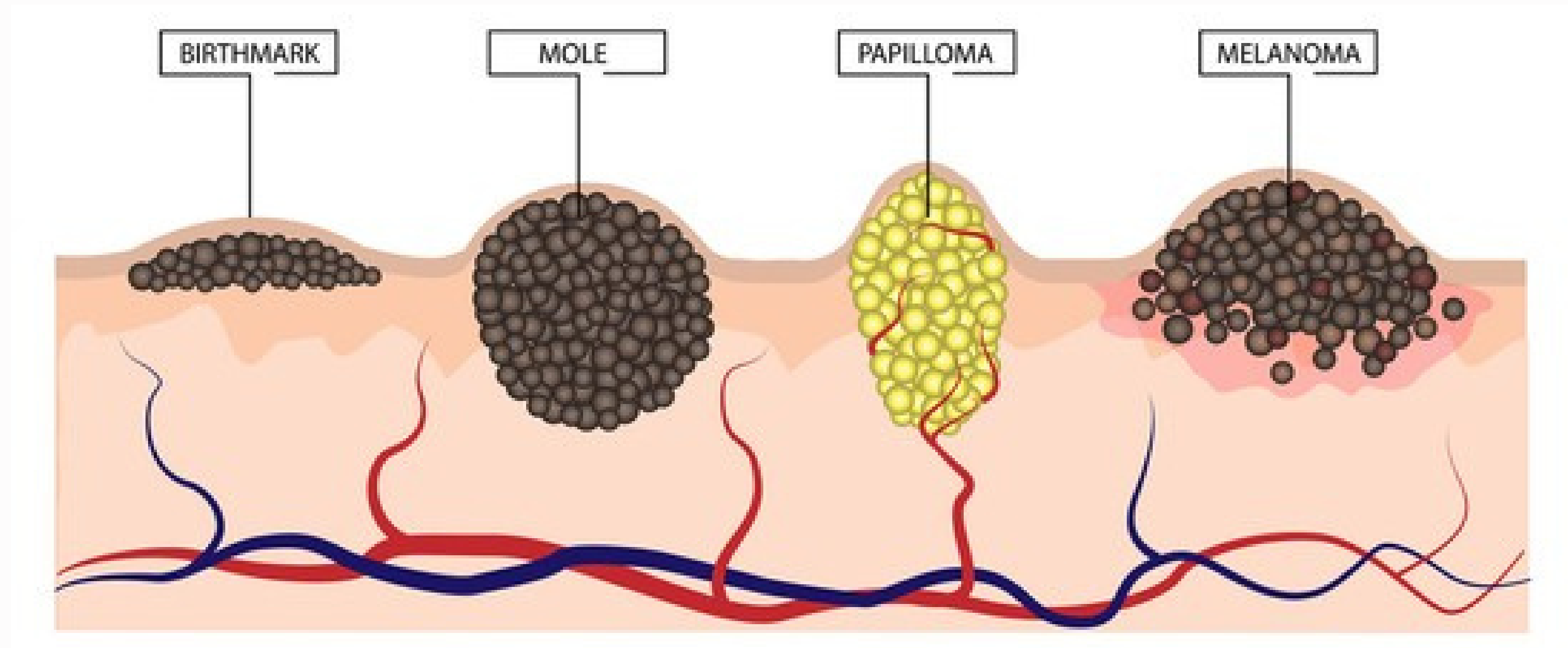
# Melanoma

Cancer in the cells that make the pigment melanin in the skin.





**Melanoma can start as a mole or in healthy skin in pigmented tissue such as the eye and ear.**  
**The mole is checked for shape, size, black/blue colour and texture.**



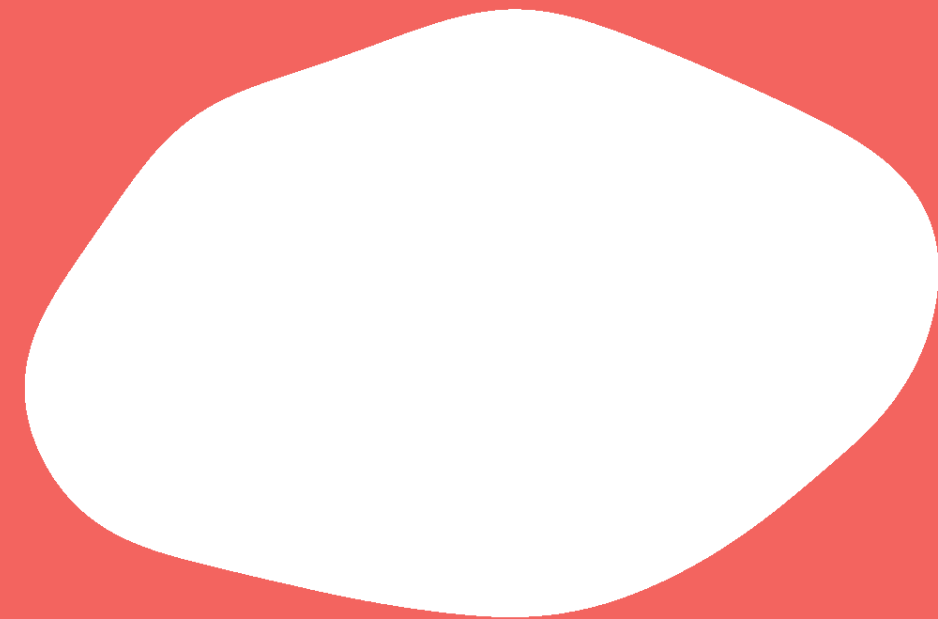
# Blood cancers

The three main types are:

**Leukaemia**

**Lymphoma**

**Myeloma**





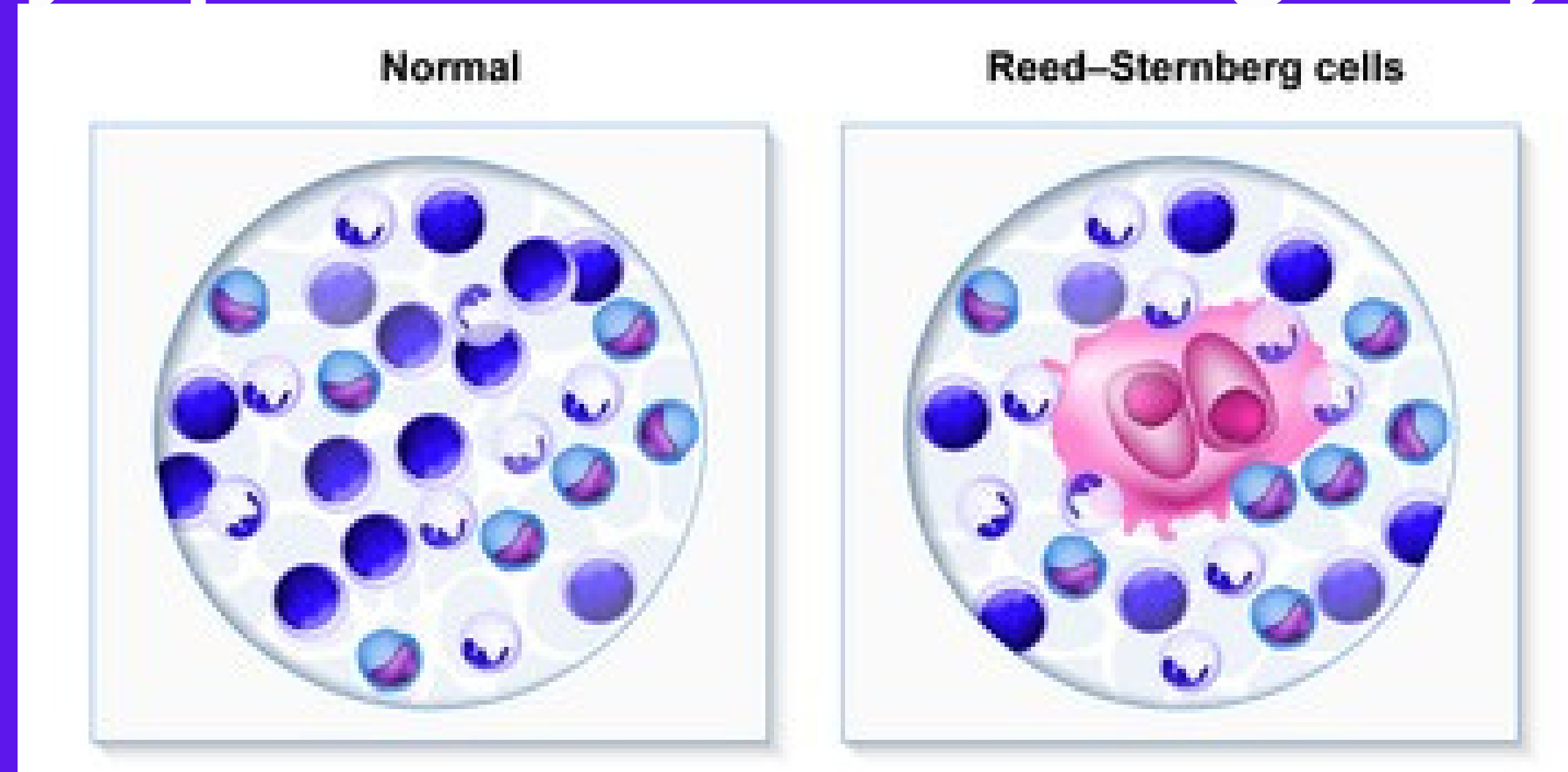
# Lymphoma



***Cancer of the white blood cells called lymphocytes.  
It affects the immune system whose aim is to protect the body  
from disease.***

***The immune system has tissues: spleen, bone marrow, lymph  
nodes, thymus, tonsils and adenoids***

# The two main types of lymphoma: Hodgkin's lymphoma and Non-Hodgkin lymphoma



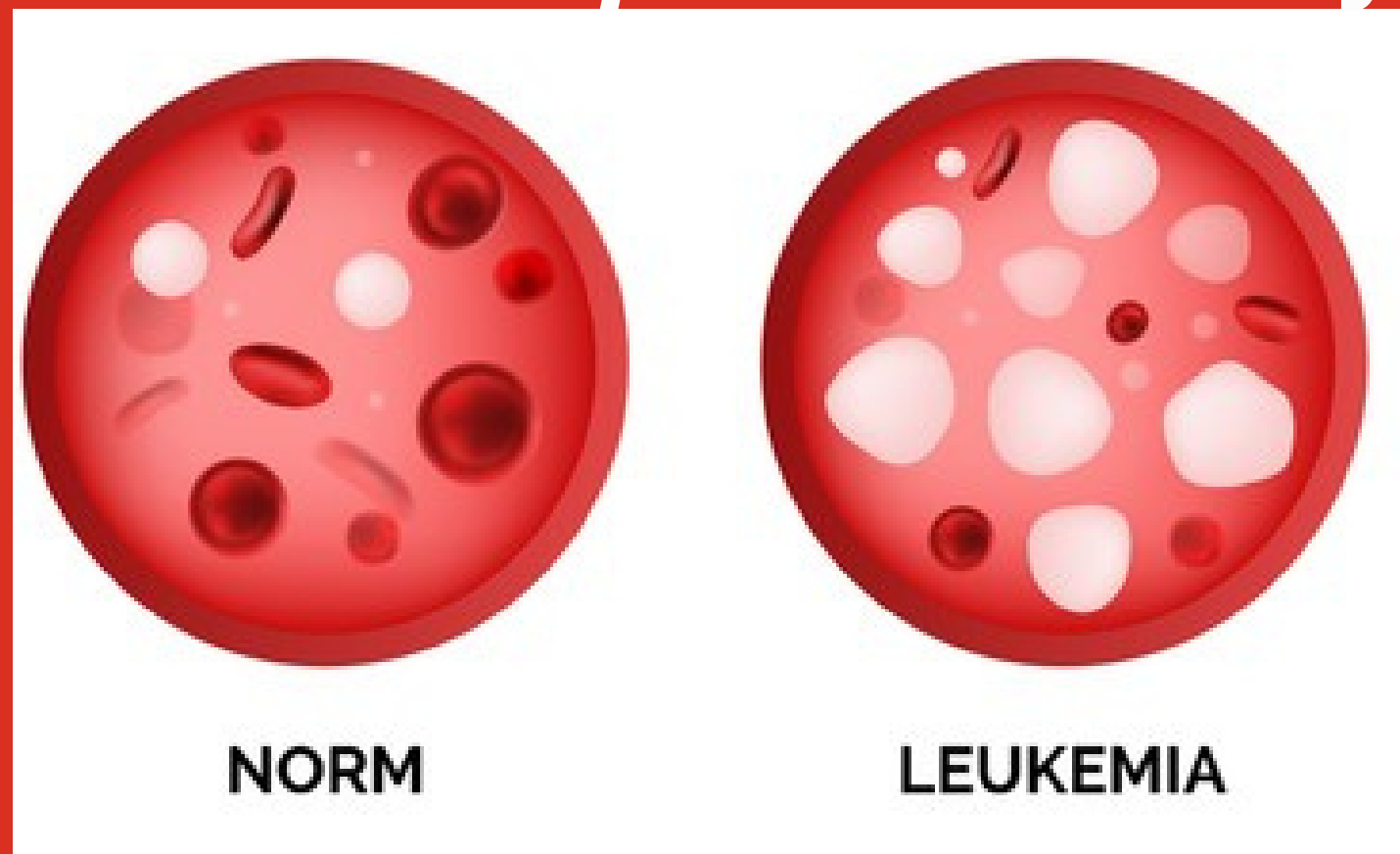
**Reed-Sternberg cell PRESENT: Hodgkin's lymphoma**

**Reed-Sternberg cell NOT PRESENT: Non-Hodgkin's lymphoma**

# Leukaemia

*The cancer of the bone marrow that creates white blood cells called leukocytes.*

*Immature cells build up in the blood block normal production of white blood cells.*

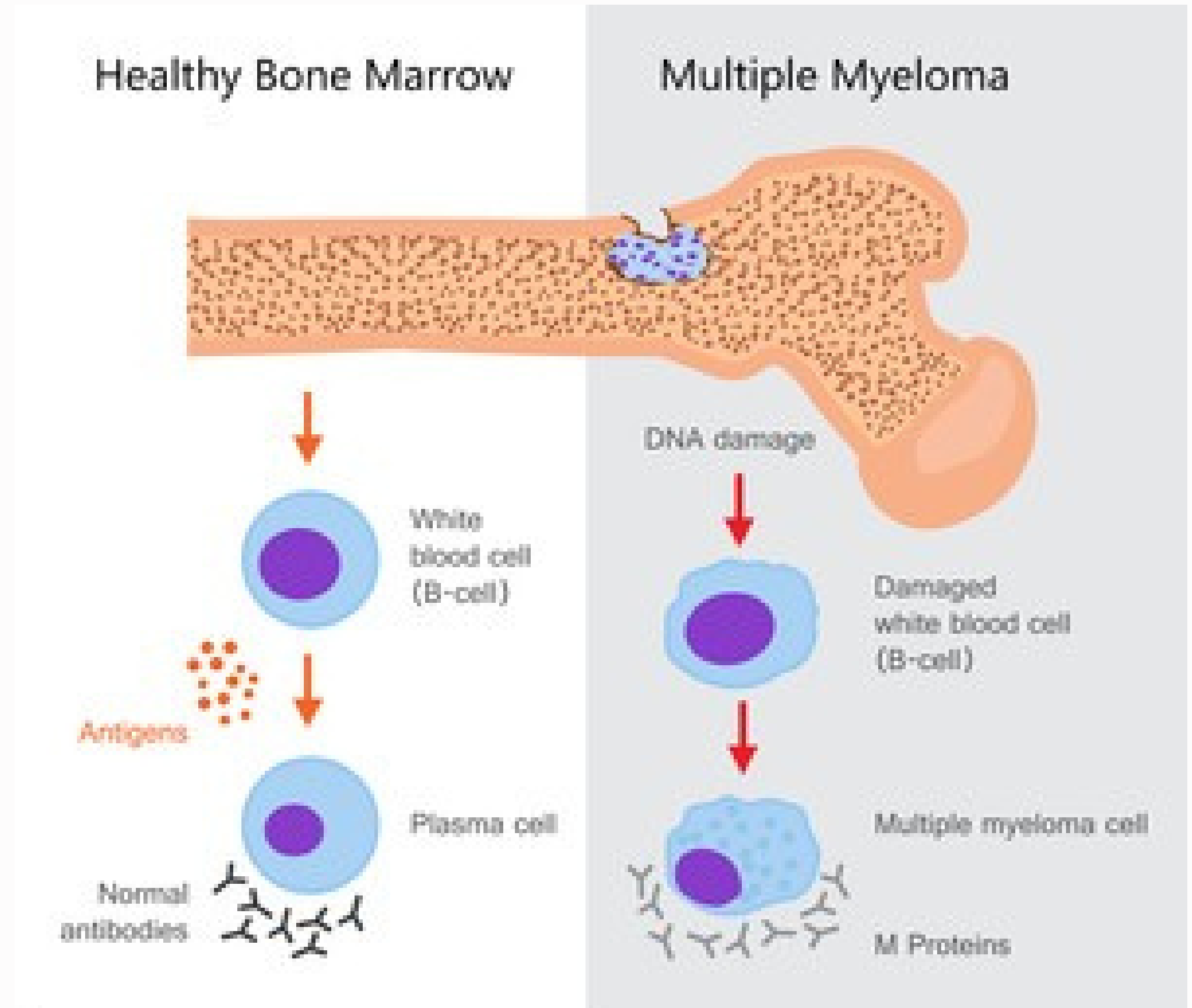


Acute lymphoblastic leukaemia (ALL)  
Acute myeloid leukaemia (AML)  
Chronic lymphocytic leukaemia (CLL)  
Chronic myeloid leukaemia (CML)

# Myeloma

Cancer of the plasma cells in the bone marrow.

Plasma cells produce proteins called antibodies that fight infection.



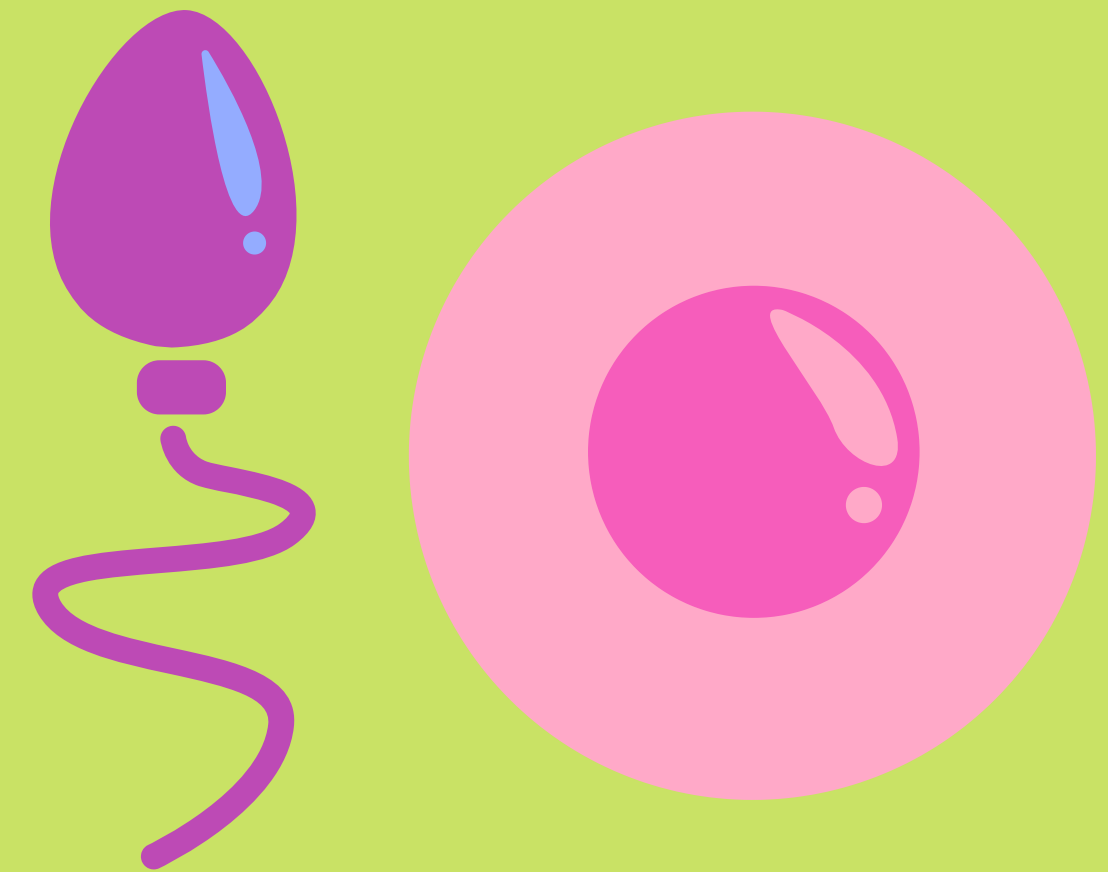


# Other types of cancers

## ***Germ cell tumours***

Cancer of the germ cells.

Germ cells develop in the egg cells of females and sperm cells of males.

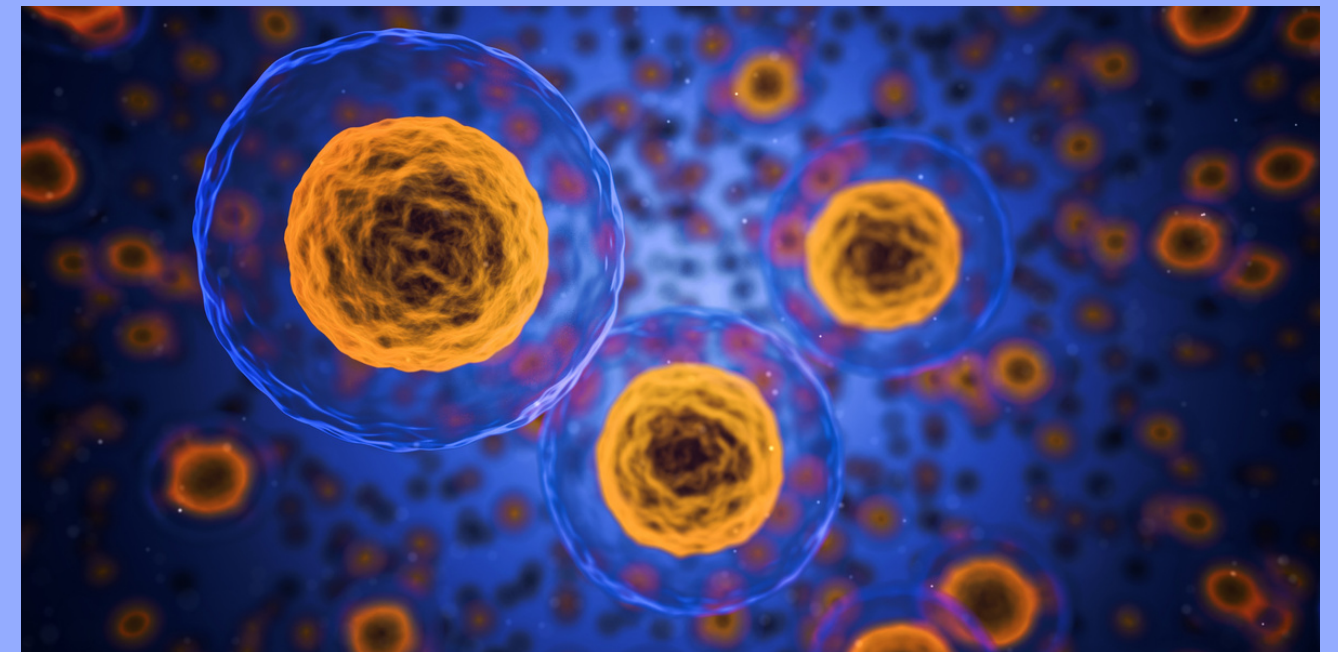


# Other types of cancer

## ***Carcinoid tumours***

They affect the  
neuroendocrine system.

This system releases  
chemicals called hormones  
that control body functions.

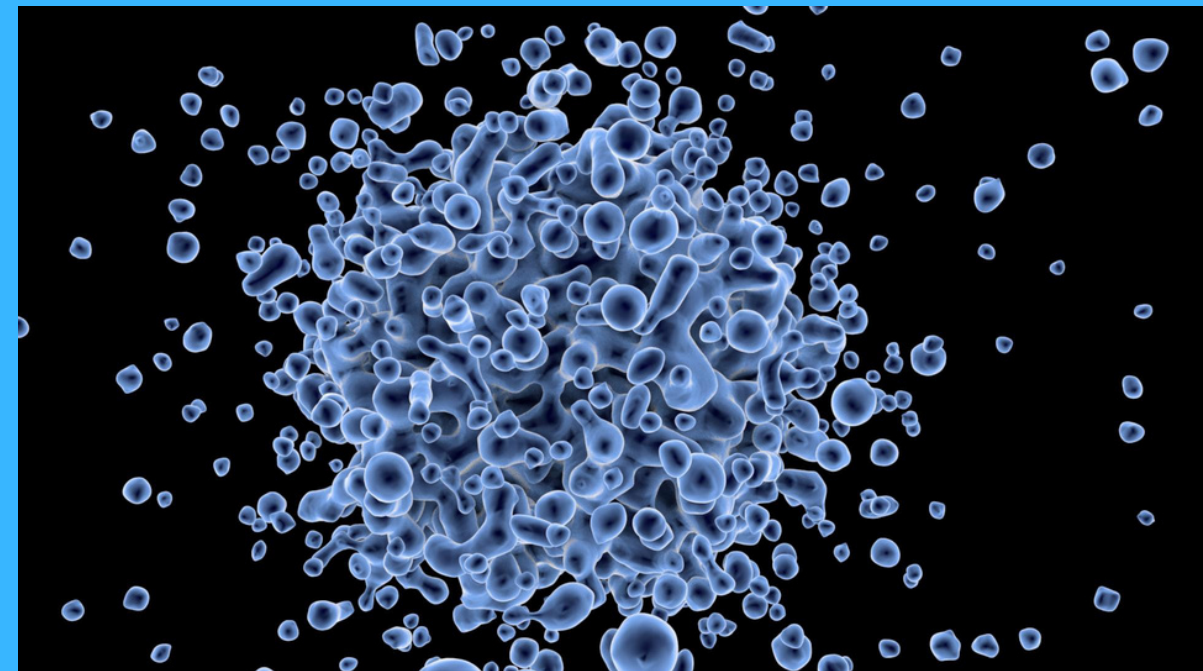


# Other types of cancers

## ***Mesothelioma***

A tumour of the thin lining called mesothelium.

It covers the outer surface of most of the organs.





**Overall, there are many different types of cancers.**





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***Part 6: What is clinical research?***

**UPCOMING VIDEO RELEASING SOON!**

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# **Acknowledgements**

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**[www.webmd.com](http://www.webmd.com)**

**Handbook of Oncology**

**Myeloma UK**

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***Thank  
you!***