



TEST DI EFFICACIA *IN VITRO*

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FUNZIONALE / BIOATTIVO???

Espletare la sua funzione su un organismo vivente o un tessuto biologico, alla concentrazione presente nel circolo sanguigno.

CYSTITIS

Pelvic Discomfort

Urinary tract infections

Blood in the urine

Urgency

Strong-smelling urine

Low-grade Fever

Burning sensation

Small amount of urine

Problems related to sex

Increased frequency

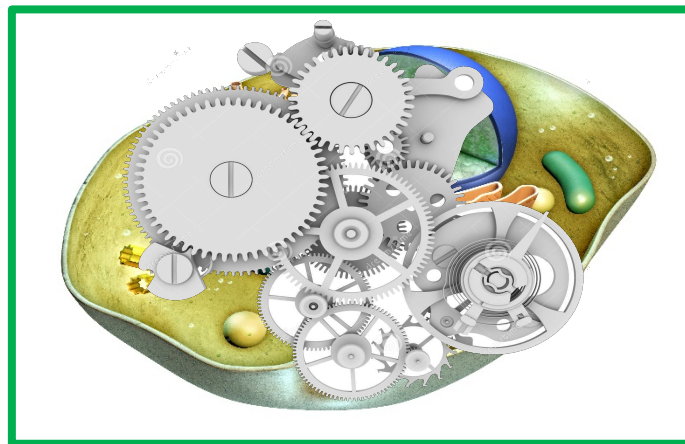
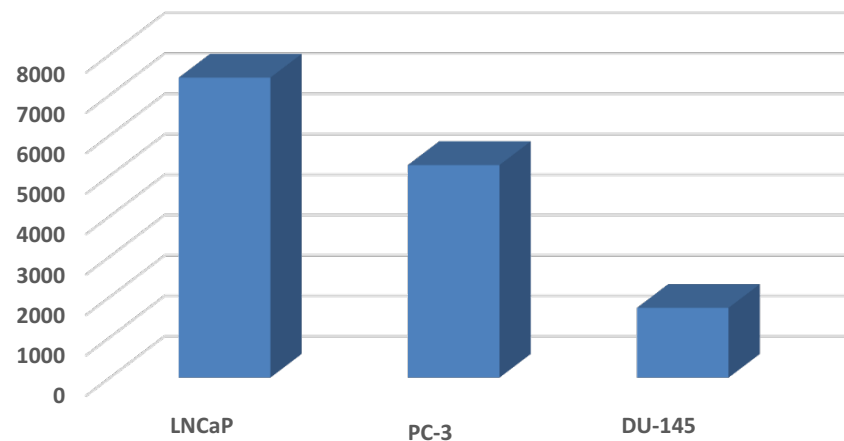
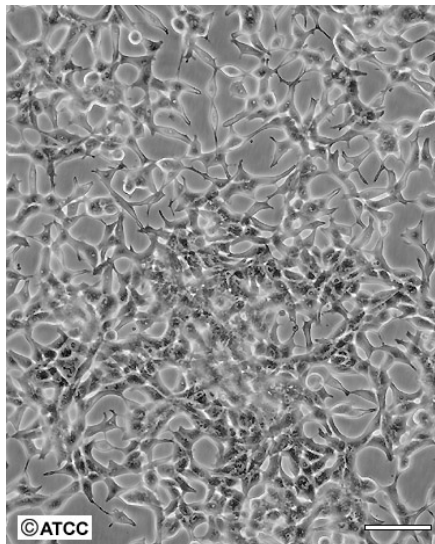


TABLE 1. General characteristics of DU-145, PC-3 and LNCaP parental cell lines

	DU-145	PC-3	LNCaP
Androgen sensitive	No	No	Yes/no*
Express:			
PSA	No	No	RNA + protein
hK2	No	No	RNA + protein
AR	No	No	RNA + protein
Derivation	Brain	Vertebrae	Lymph node
No. sublines	1	11	63

NCBI



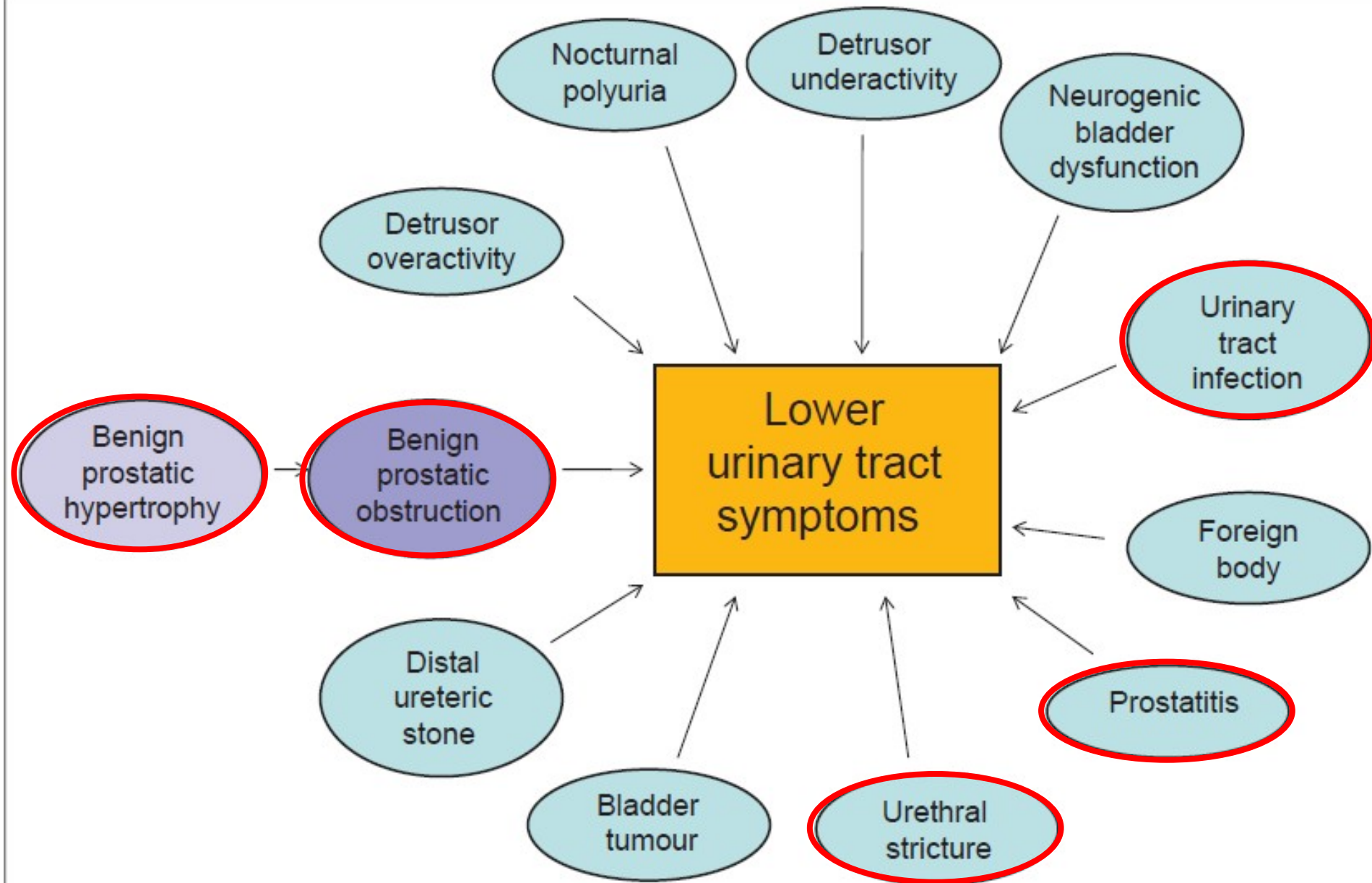


LNCaP



HTB4

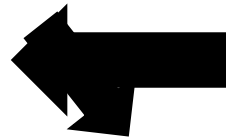
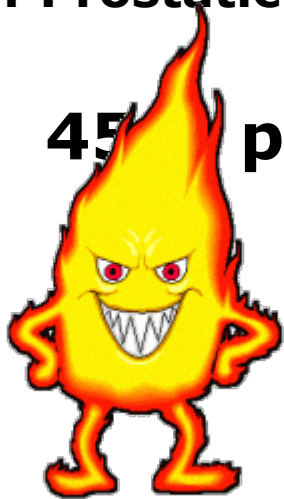




MTOPS

(Medical Therapy
of Prostatic Symptoms)

45 pazienti

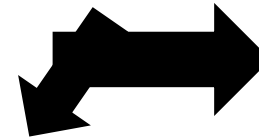


REDUCE

(REduction by DUtasteride
of prostate Cancer Events)

77,6% pazienti

BPH

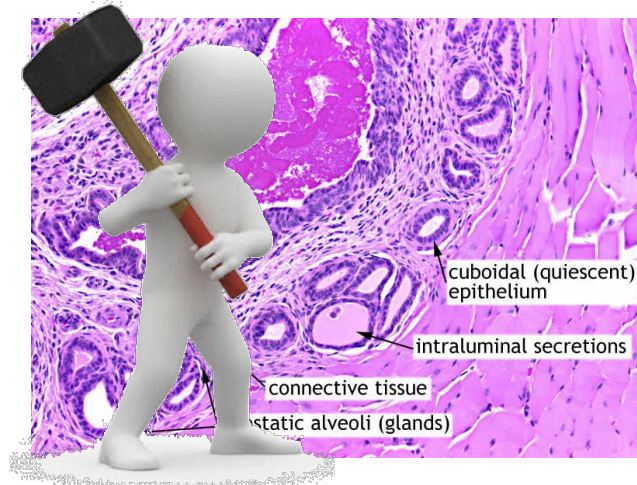


LUTS

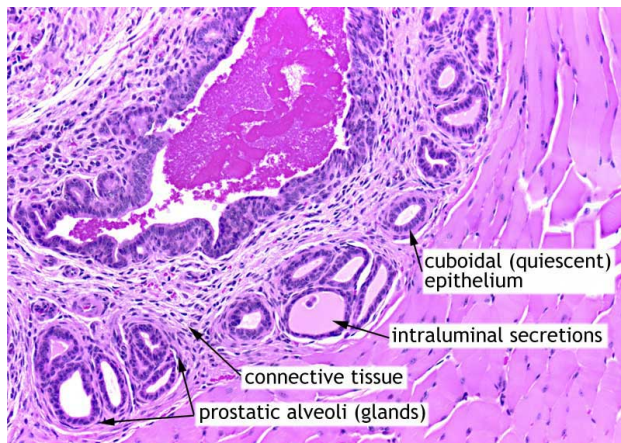


IPERPLASIA PROSTATICA BENIGNA (BPH)

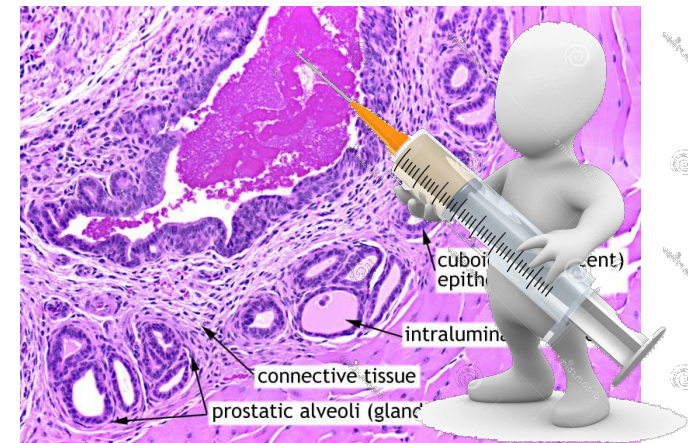
DISTRUZIONE



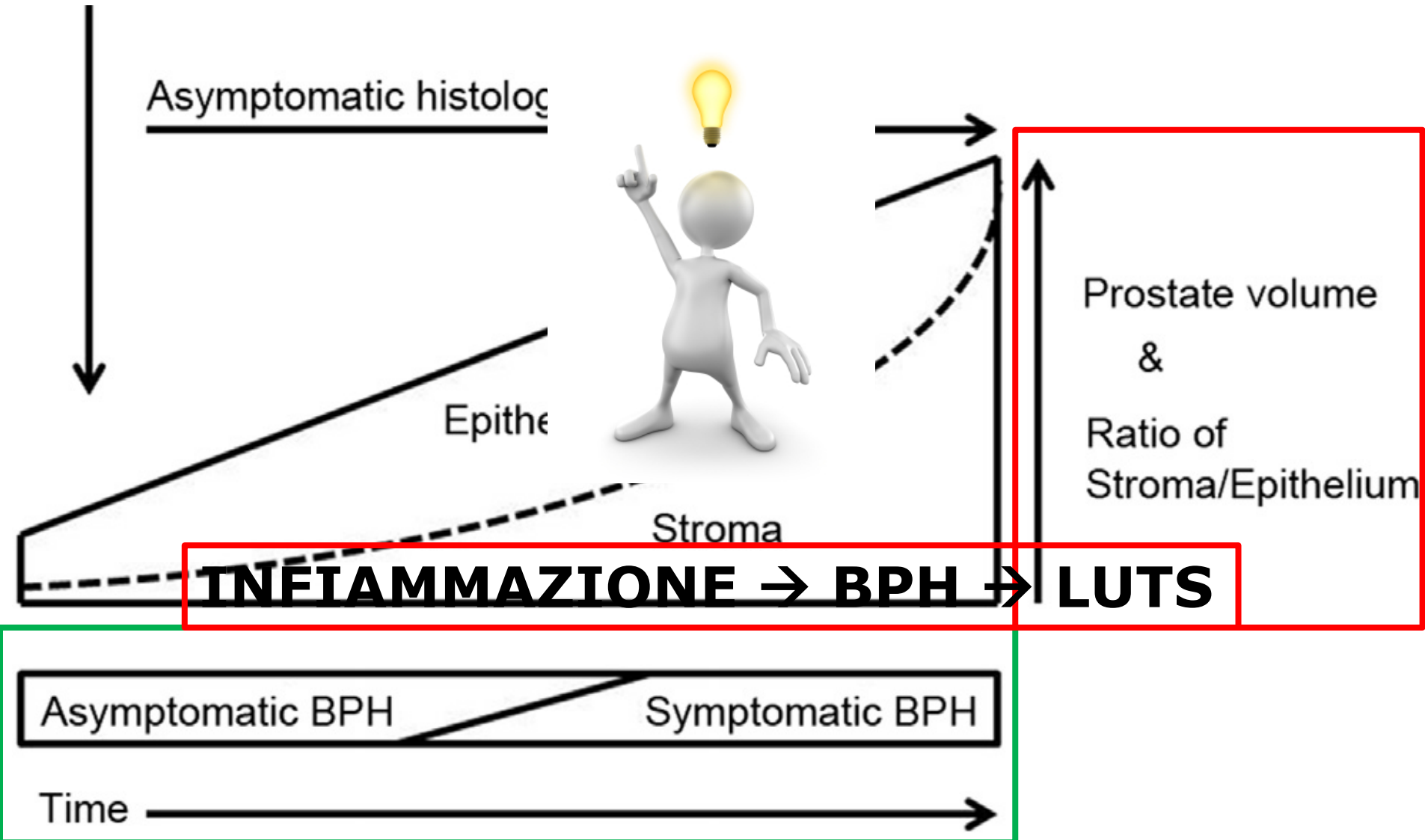
RIMODELLAMENTO



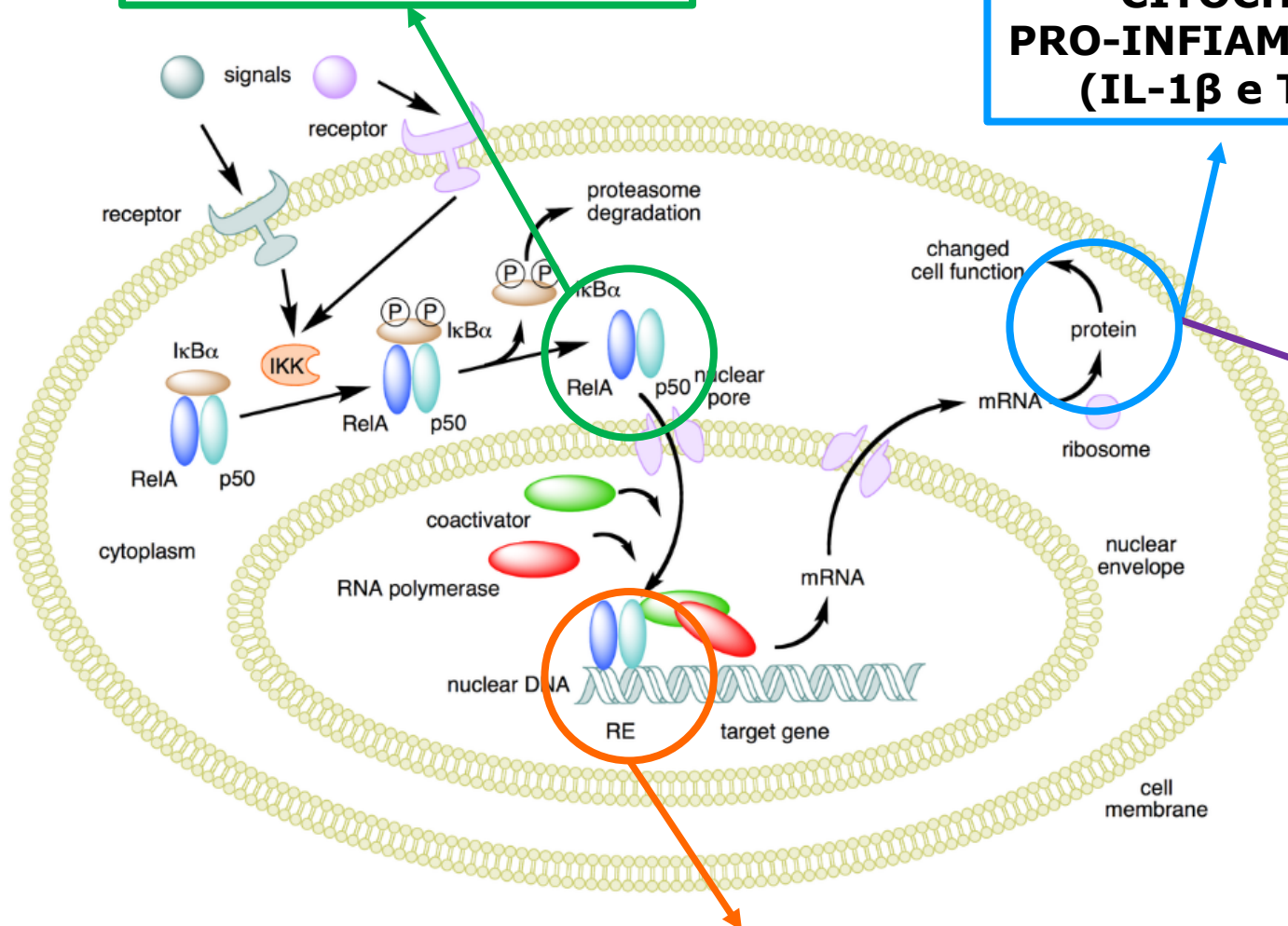
RIGENERAZIONE



RECUPERO



TRASLOCAZIONE NF- κ B



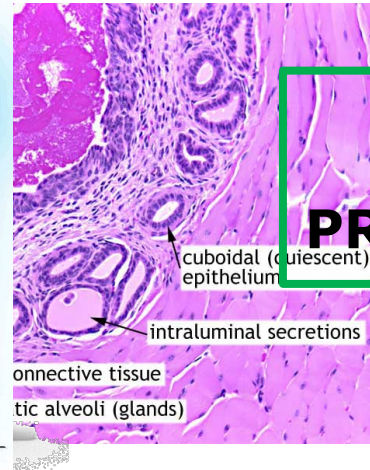
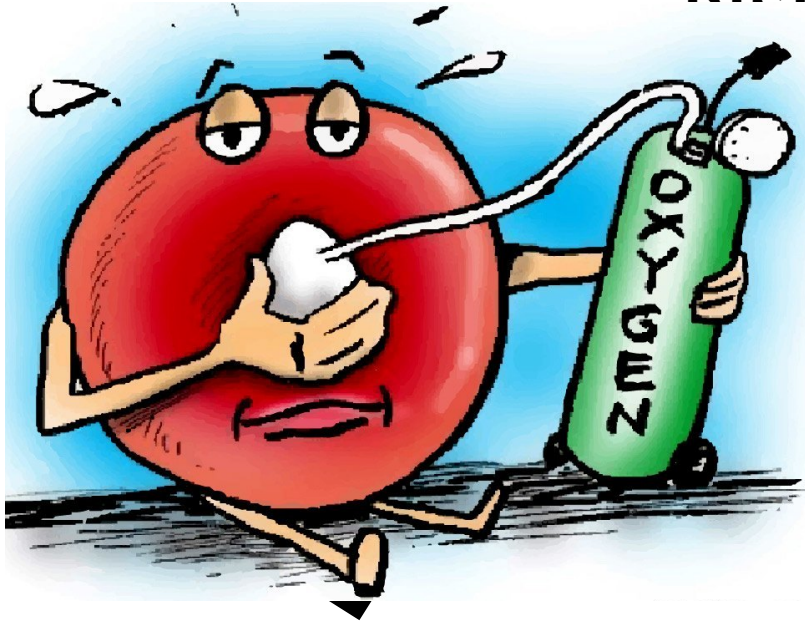
**CITOCHINE
PRO-INFIAMMATORIE
(IL-1 β e TNF- α)**

**ATTIVITÀ
COX-2**

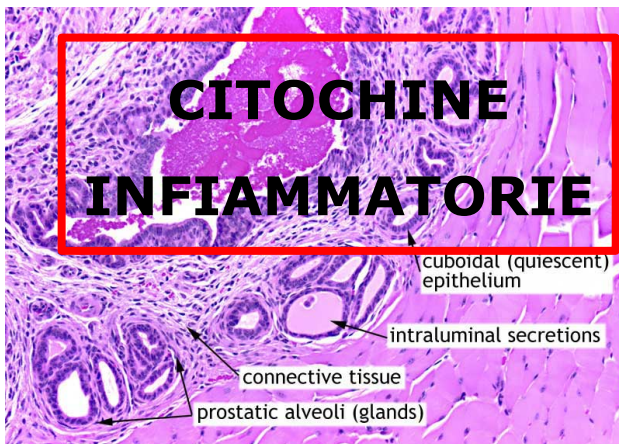


ESPRESSIONE COX-2

DISTRUZIONE

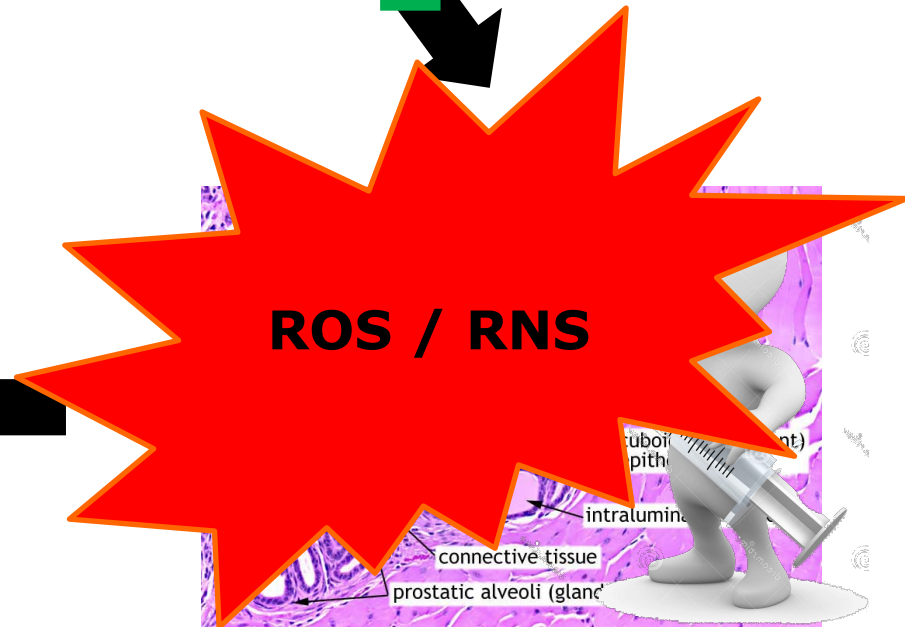
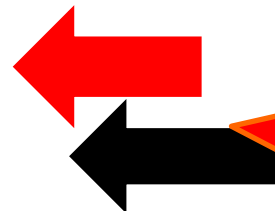


**CITOCHINE
PROLIFERATIVE**



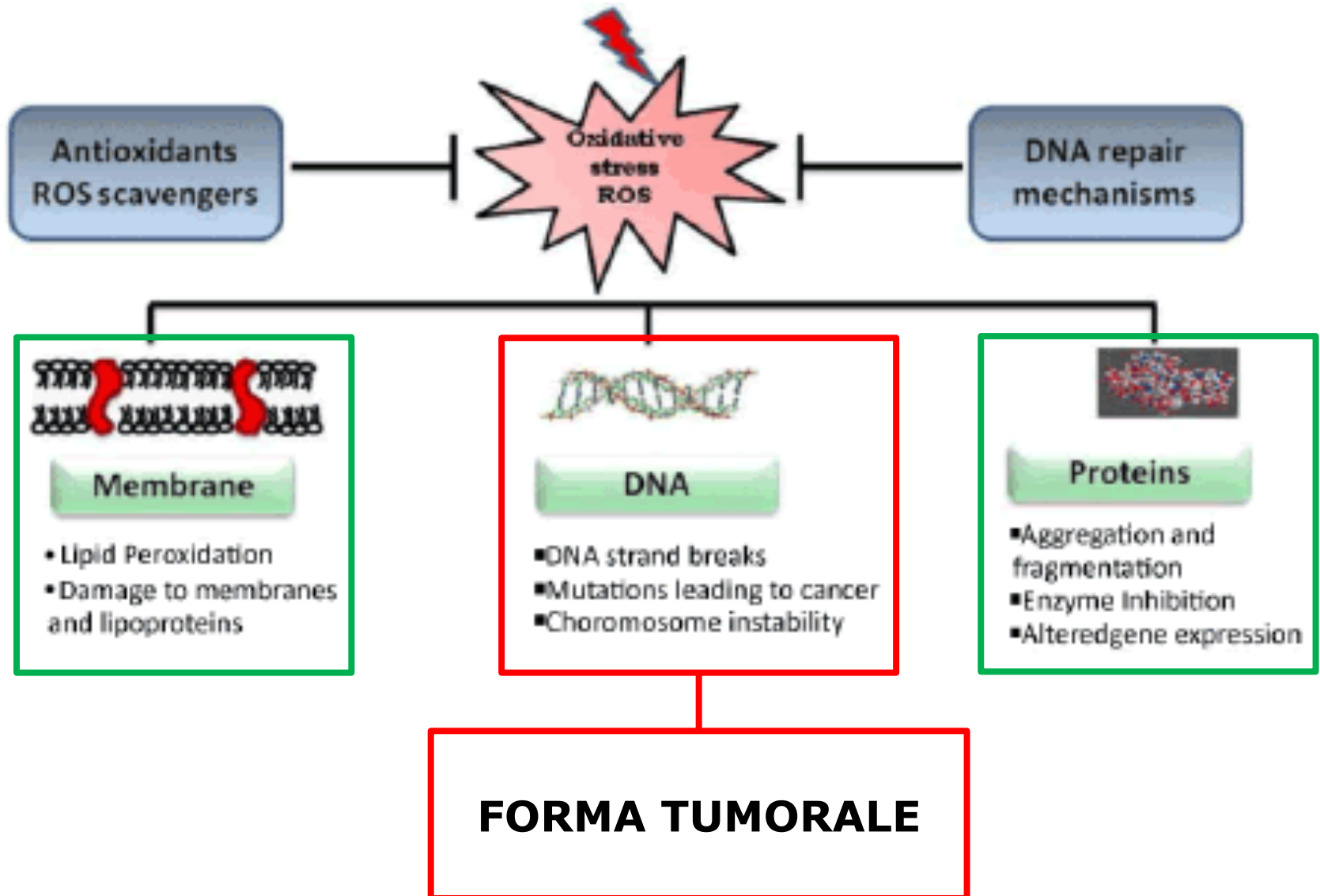
**CITOCHINE
INFIAMMATORIE**

RIGENERAZIONE

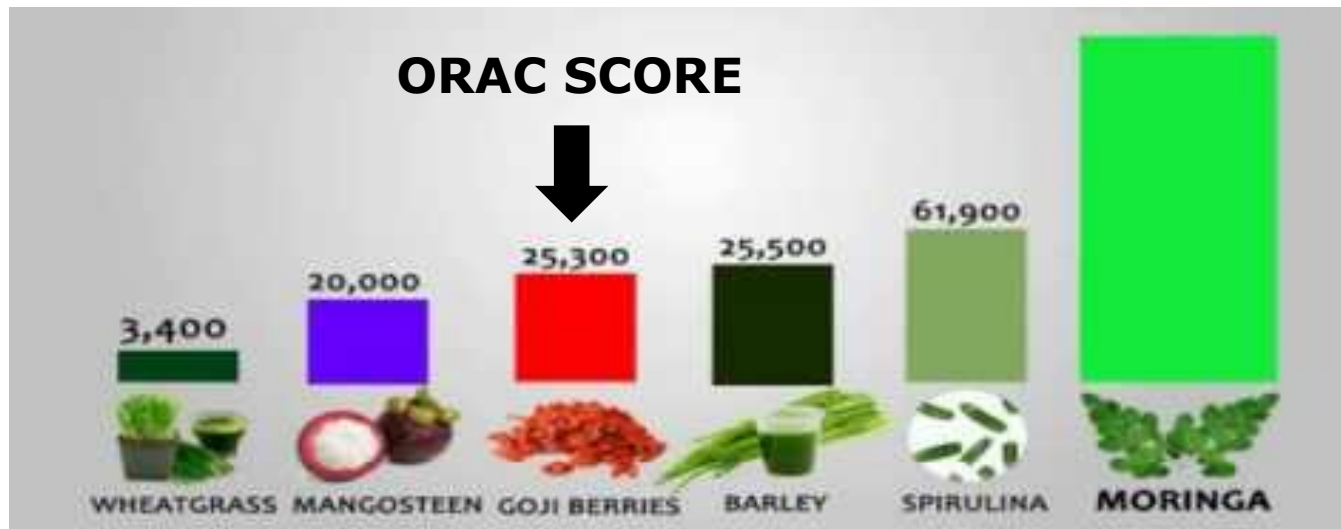
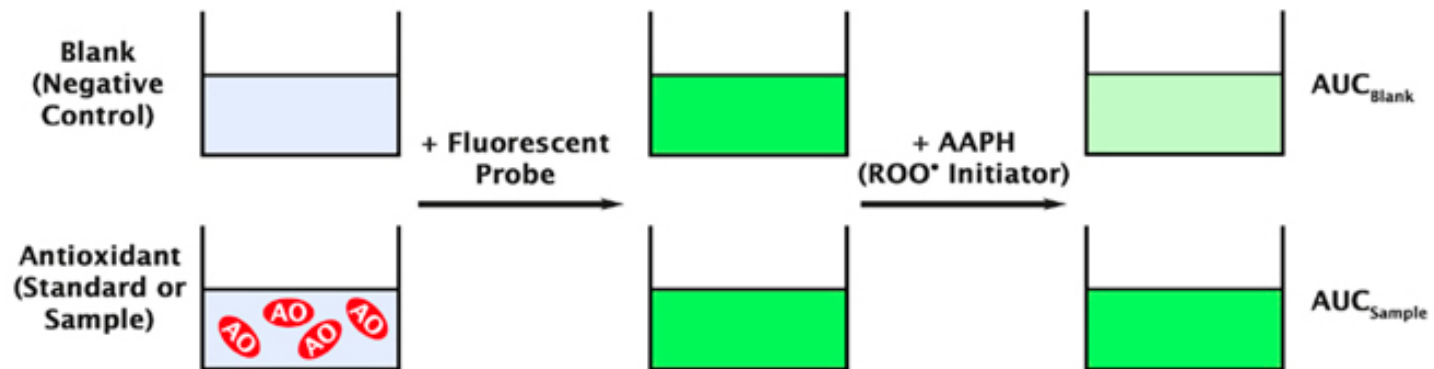


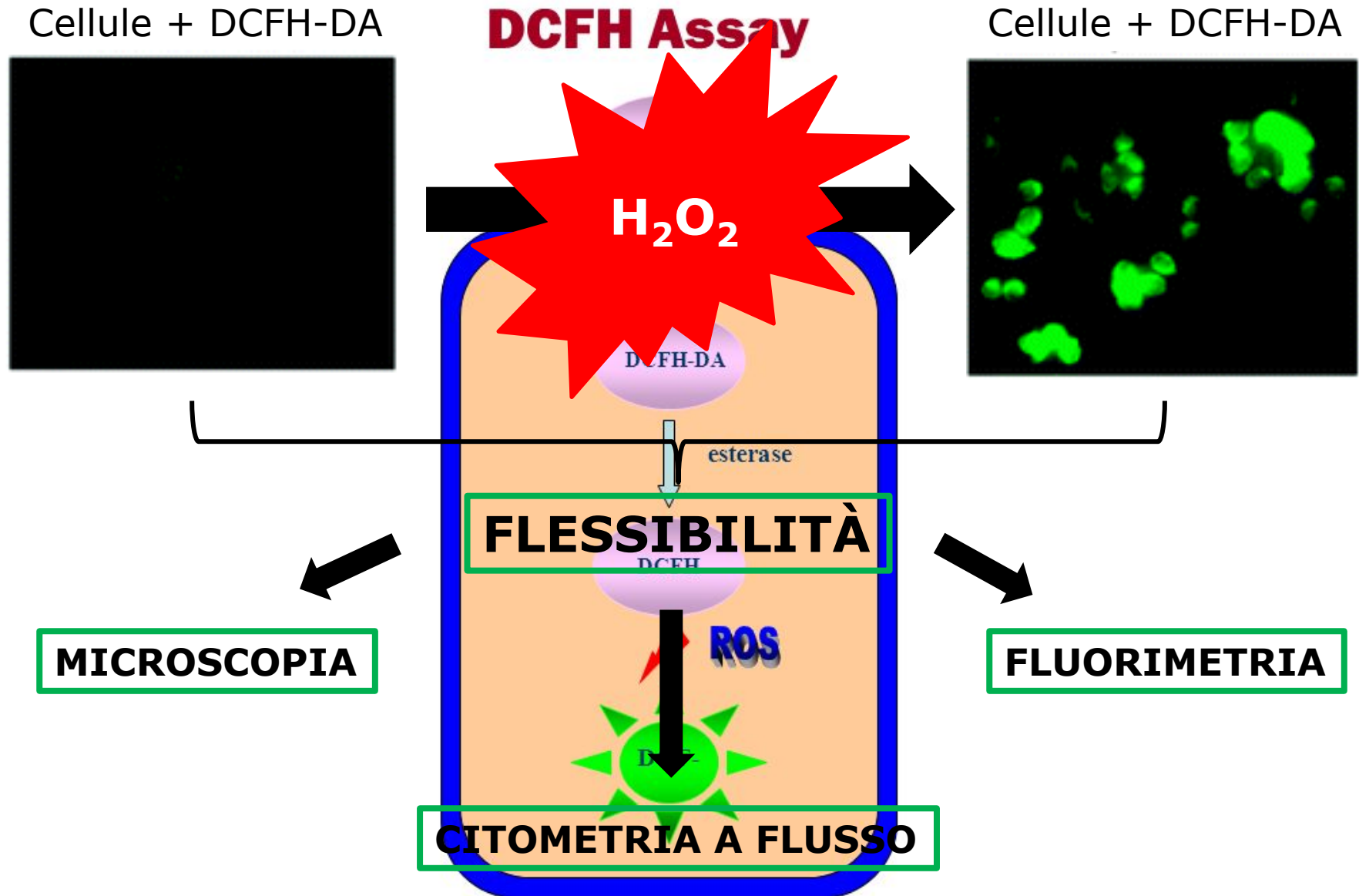
ROS / RNS

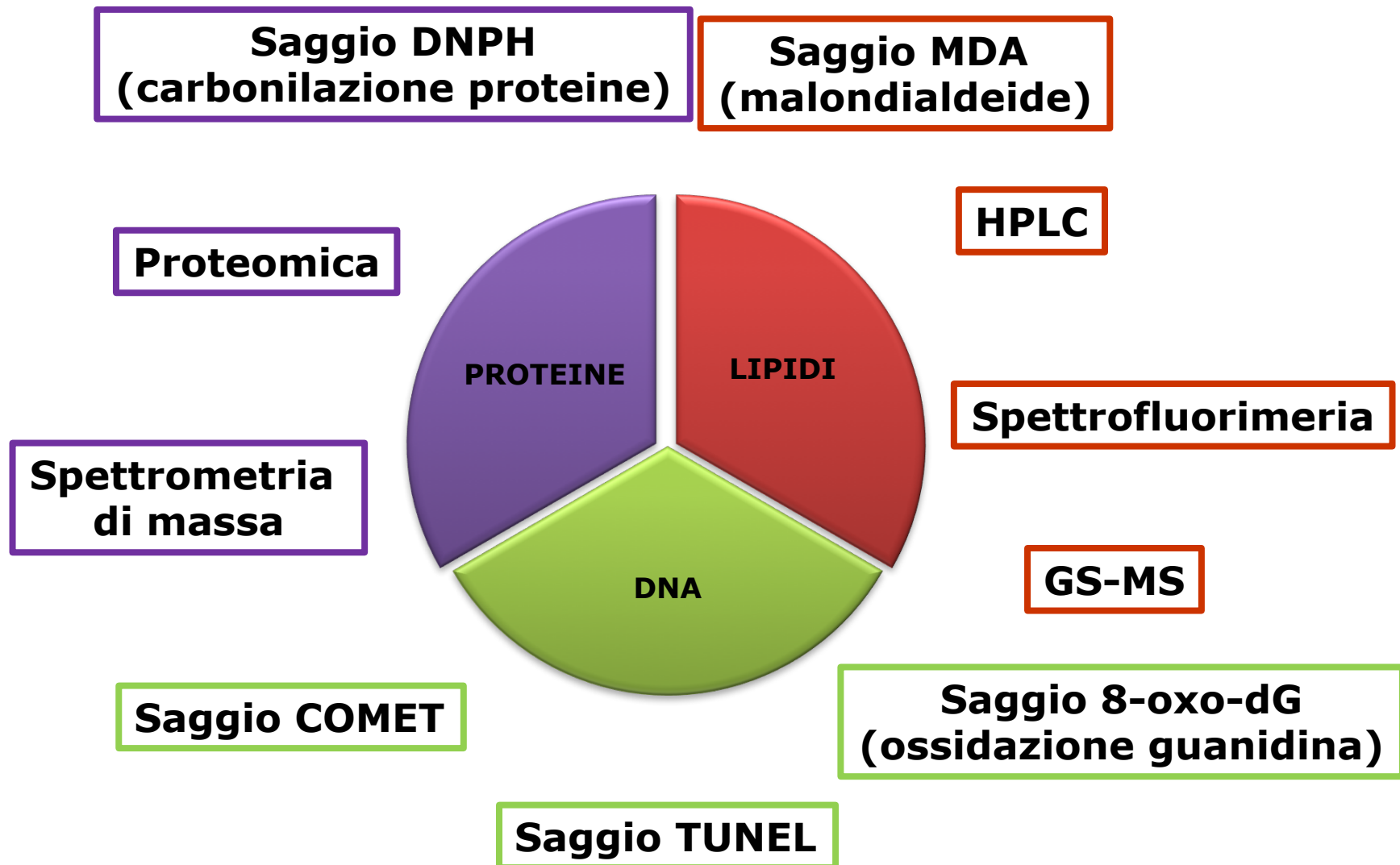
RECUPERO

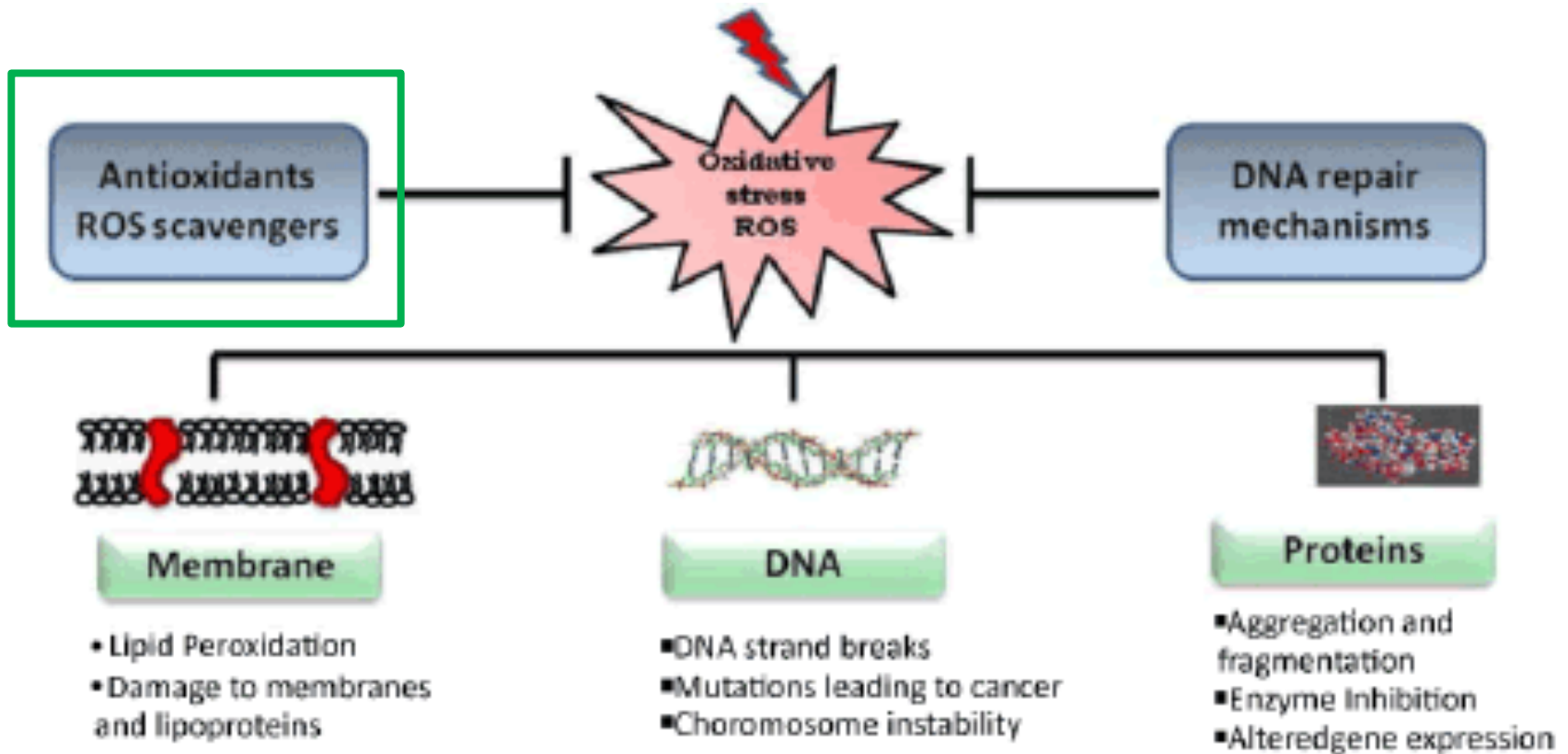


Oxygen Radical Antioxidant Capacity (ORAC) Assay



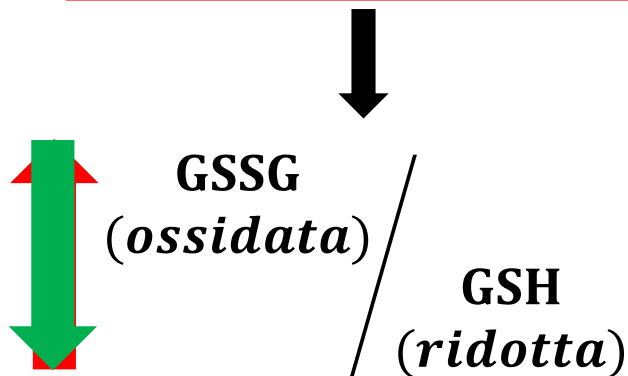




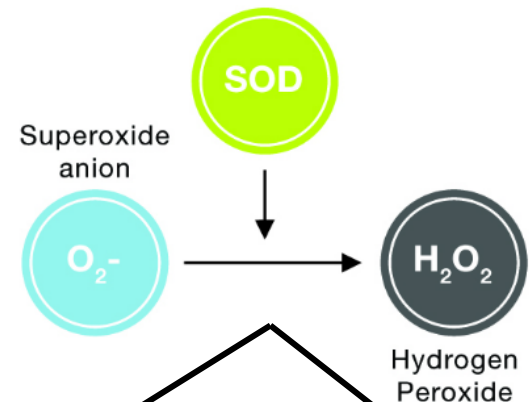


Antioxidants
ROS scavengers

**Glutathione
(GSH/GSSG system)**



**SOD
(superossido dismutasi)**

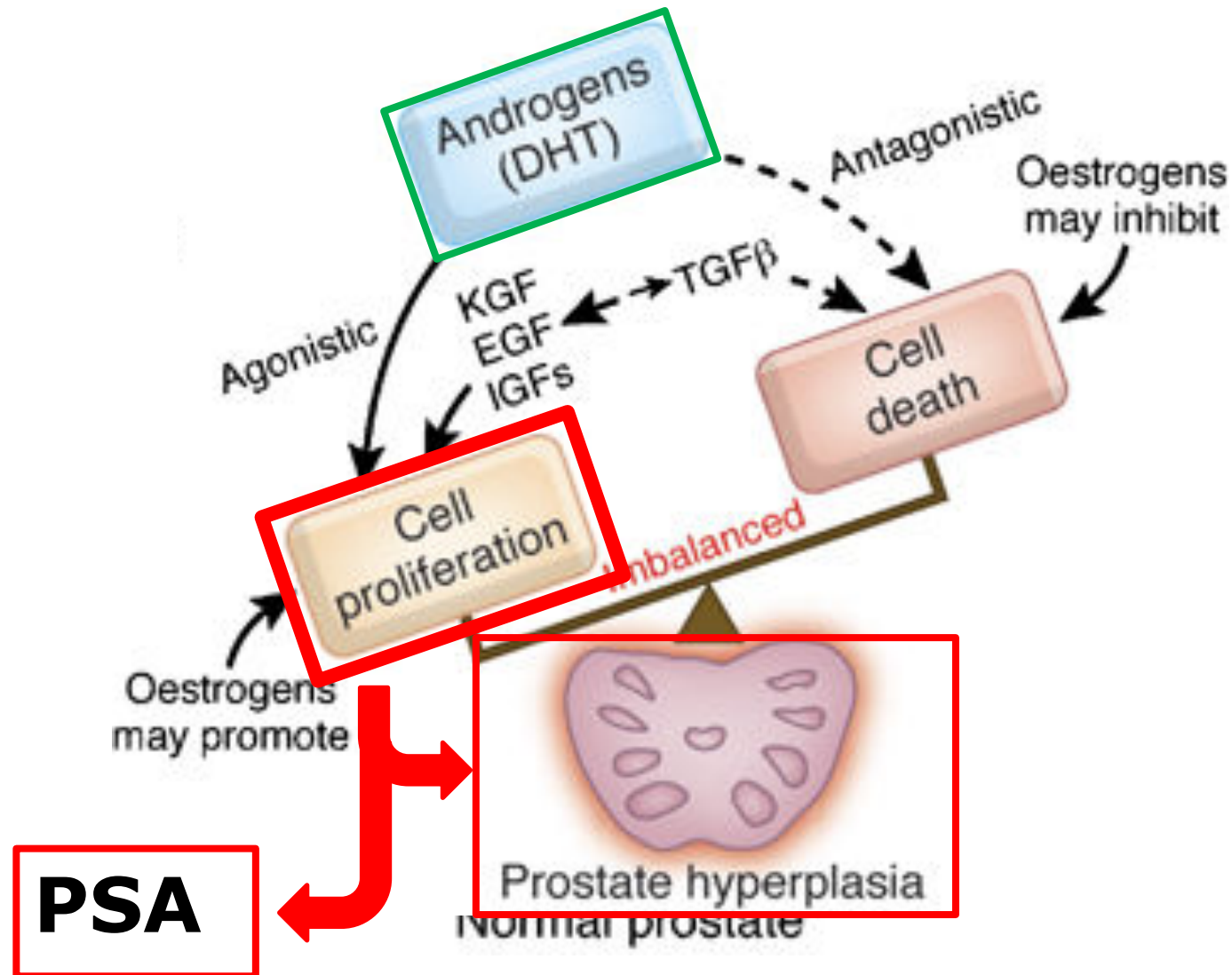


ATTIVITÀ

ESPRESSIONE

PROTEINA

RNA



INIBITORI 5 α -REDUTTASI

Dutasteride

Finasteride

ENZIMA

DHT

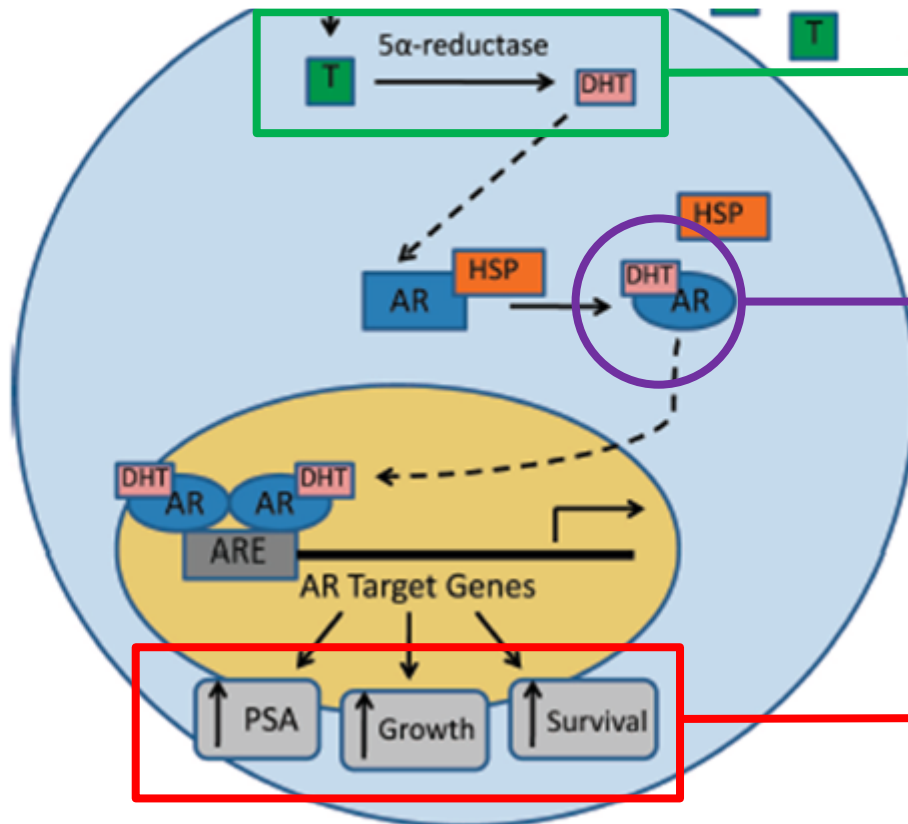
CELLULE

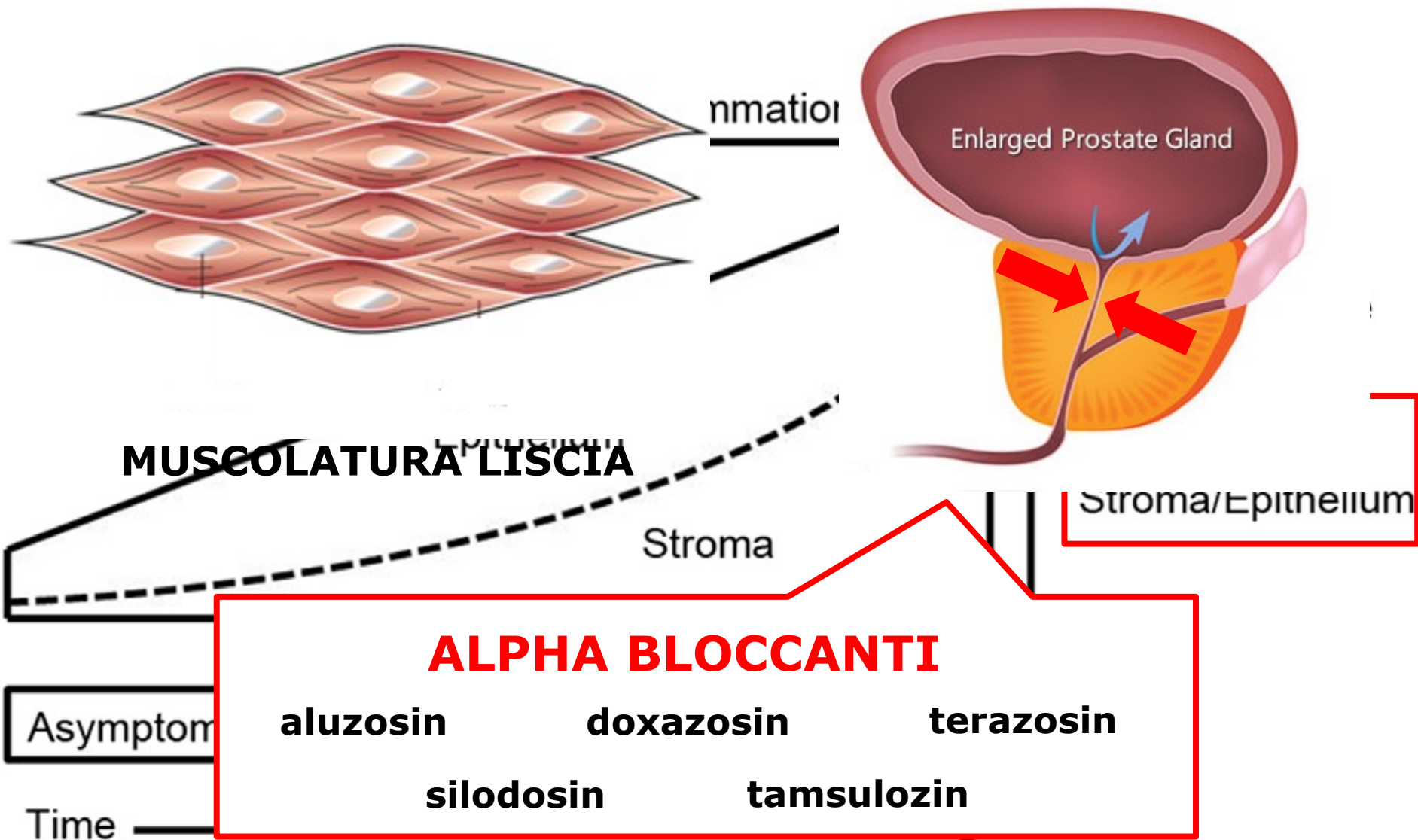
NADPH

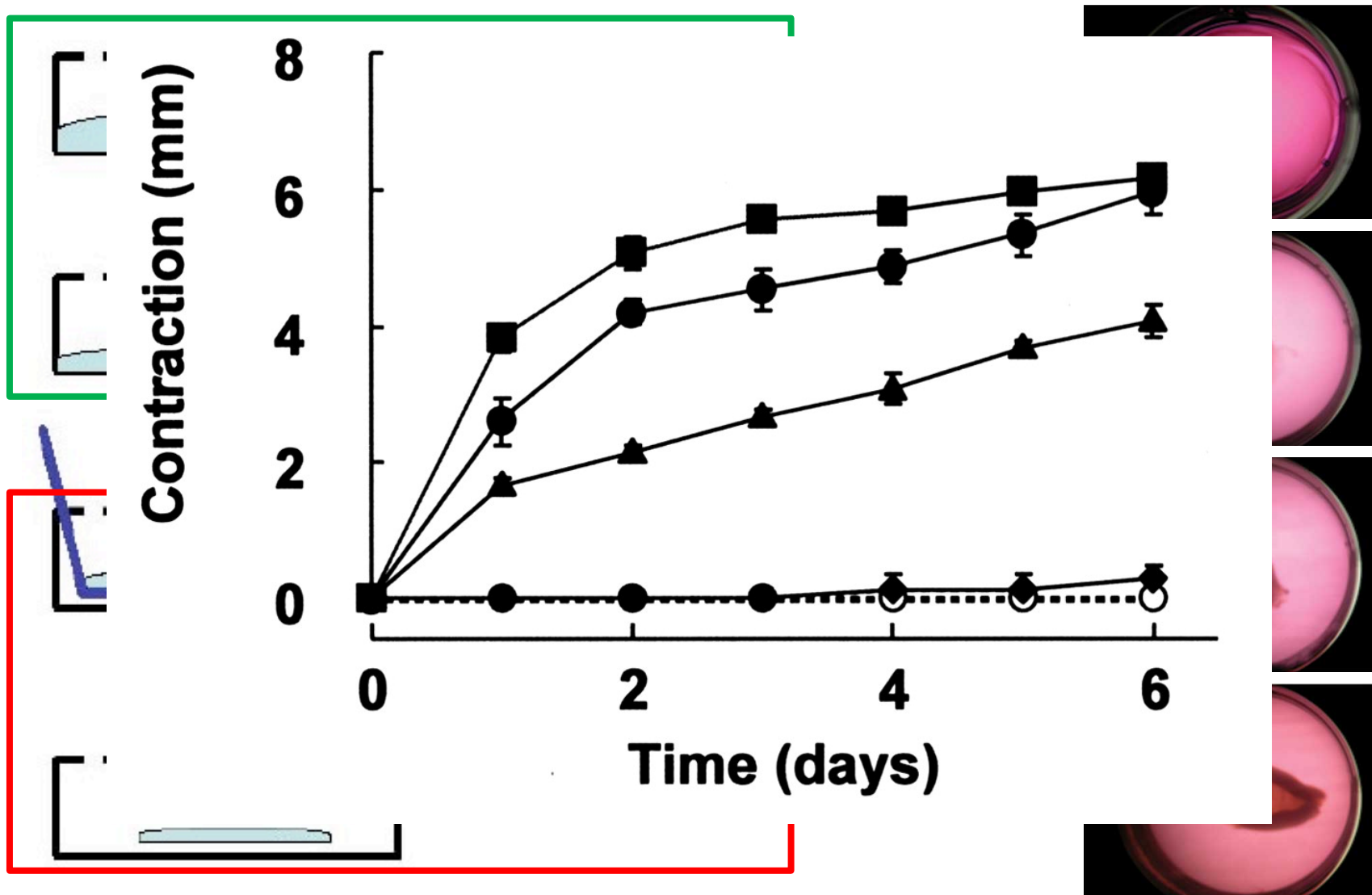
TRASLOCAZIONE

PROTEINA

ESPRESSIONE









**GRAZIE MILLE
PER L'ATTENZIONE**

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