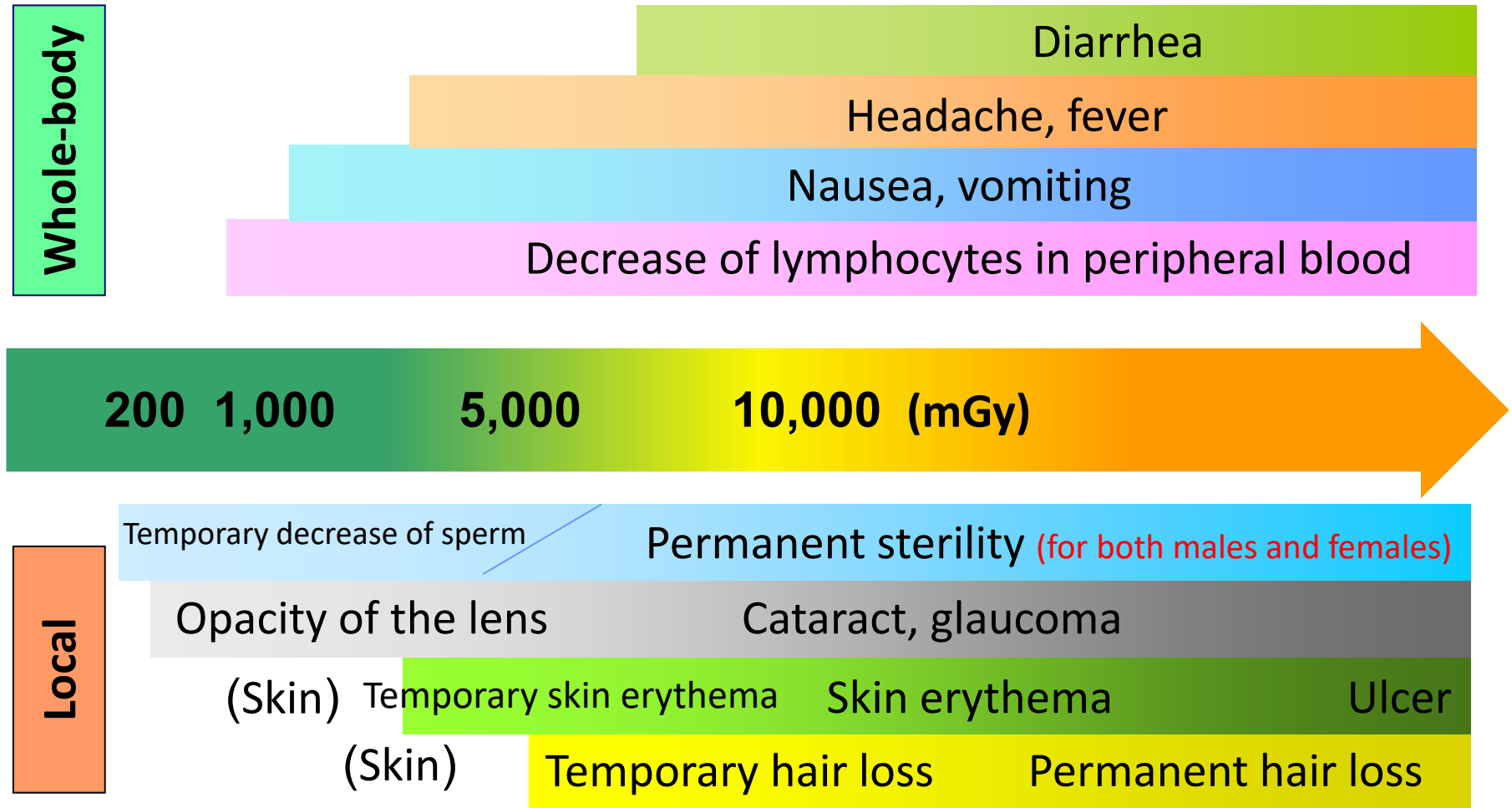


# Whole-body Exposure and Local Exposure



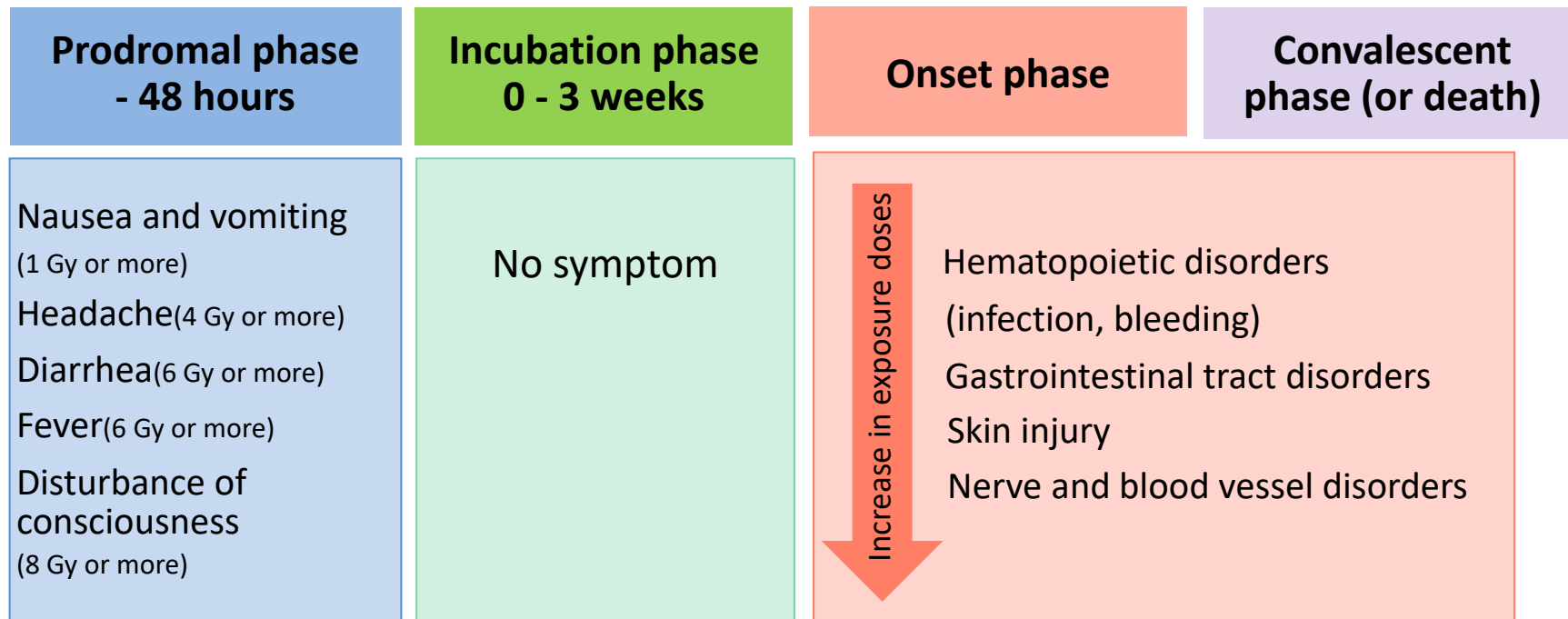
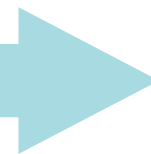
# Acute Radiation Syndromes

Time when acute radiation syndrome appears

Upon exposure



Lapse of time



\* Acute radiation syndromes observed in the case of whole-body exposure to radiation exceeding 1 Gy (1,000 mGy) at one time

# Threshold Values for Various Effects

## Threshold acute absorbed doses of $\gamma$ -rays

Disorders	Organs/Tissues	Incubation period	Threshold value (Gy)*
Temporary sterility	Testis	3 to 9 weeks	Approx. 0.1
Permanent sterility	Testis	3 weeks	Approx. 6
	Ovary	Within 1 week	Approx. 3
Deterioration of hemopoietic capacity	Bone marrow	3 to 7 days	Approx. 0.5
Skin rubor	Skin (large area)	1 to 4 weeks	3 to 6 or lower
Skin burn	Skin (large area)	2 to 3 weeks	5 to 10
Temporary hair loss	Skin	2 to 3 weeks	Approx. 4
Cataract (failing vision)	Eyes	20 years or longer	Approx. 0.5

\* Threshold doses for symptoms with clear clinical abnormalities (doses causing effects on 1% of people)