

**Table 9.2** Teratogenic effects of radiation exposure (Based on [8])

Weeks gestation	Developmental stage	Fetal effects	Radiation dose threshold (mGy)
0–2	Pre-implantation	No effect or death	50–100
2–8	Organogenesis	Malformations	200
		Growth retardation	
8–15	Early fetal development	Mental retardation	60–310
16–25	Later fetal development	Mental retardation	250–280