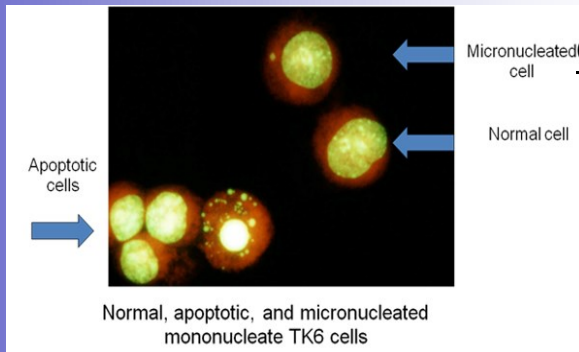




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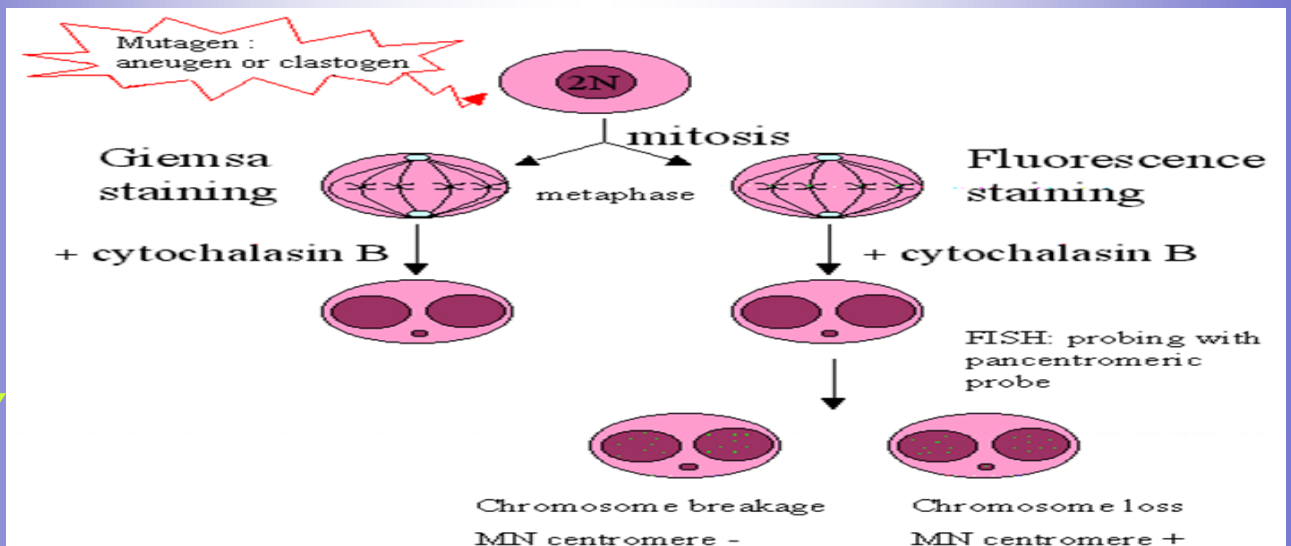
CYTOLOGICAL AND HISTOLOGICAL CHANGES IN LYMPHOCYTES

INFLUENCE OF IONIZING RADIATION ON HEALTH WORKERS



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Introduction: Ionizing radiation can originate from natural and artificial sources and ionization may be direct or indirect. Depending on the dose and intensity of radiation radiobiological effect may be different. Acute radiation sickness occurs as a result of irradiation of the whole body with large doses of radiation in a short time. While chronic radiation damages arise in professional workers due to exposure to small doses over a long time. Depending on the type of tissue and cell properties radiobiological effect may be different. Young cells in which there was extensive mitotic activity and metabolism are much more sensitive to ionizing radiation.



Conclusion: Taking into account the impact of ionizing radiation on the entire organism, the occurrence of micronucleus indicates the need for more frequent inspections, research and system control of organism on this group of workers. The goal is to prevent injuries and reduce radiation risk from the effects of irradiation.

