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Acute myeloid leukemia and myelodysplastic syndromes related to radiation

INSERM

Source

INSERM. (1999). *Orphanet: an online rare disease and orphan drug data base. Acute myeloid leukemia and myelodysplastic syndromes related to radiation. ORPHA:164726*

Acute myeloid leukemia and myelodysplastic syndromes related to radiation represent a subgroup of therapy-related myeloid neoplasms (t-MN), associated with treatment of an unrelated neoplastic disease with radiation. The neoplastic cells typically harbor unbalanced aberrations of chromosomes 5 and 7 (monosomy 5/del(5q) and monosomy 7/del(7q)) or a complex karyotype. Patients frequently present with multilineage dysplasia and cytopenias 5-10 years after exposure.