

Aetiology

Aetiology

The common primary brain tumours mentioned above mostly occur sporadically . There is no proven risk due to environmental factors, except for radiation exposure, but germline genetic syndromes may also predispose (Table 48.5). Theodor Schwann , 1810–1882, Professor of Anatomy , Louvain and Liège, Belgium. German physiologist who established the cellular basis of differentiated tissues including feathers. One of the few clinical syndromes named for the patient rather than the clinician. She died from breast cancer at the age of 20. Frederick Pei Li , 1940–2015, Professor of Medicine, Harvard University Medical School, Boston, MA, USA. Joseph F Fraumeni , b. 1933, Director of Cancer Epidemiology and Genetics, The National Cancer Institute, Bethesda, MD, USA. -

lymphoma Germ cell tumour BRAIN TUMOURS Meningioma Extra-axial Vestibular Neuroepithelial schwannoma Medulloblastoma Neuronal Gliomas tumours Ependymomas and choroid plexus tumours TABLE 48.5 Chromosomal abnormalities associated with brain tumours. Syndrome Gene defect Tumour Neuro /f_i bromatosis Neuro /f_i bromin Astrocytomas; type 1 (chromosome 17) neuro /f_i bromas Neuro /f_i bromatosis Schwannomin Acoustic neuromas type 2 (chromosome 22) (bilateral); meningiomas Cowden's disease PTEN (chromosome 10) Astrocytomas Multiple Astrocytomas Hereditary non-polyposis colorectal cancer Li-Fraumeni p53 (chromosome 17) Astrocytomas syndrome PTEN , phosphatase and tensin homologue.

Aetiology

The common primary brain tumours mentioned above mostly occur sporadically . There is no proven risk due to environmental factors, except for radiation exposure, but germline genetic syndromes may also predispose (Table 48.5). Theodor Schwann , 1810–1882, Professor of Anatomy , Louvain and Liège, Belgium. German physiologist who established the cellular basis of differentiated tissues including feathers. One of the few clinical syndromes named for the patient rather than the clinician. She died from breast cancer at the age of 20. Frederick Pei Li , 1940–2015, Professor of Medicine, Harvard University Medical School, Boston, MA, USA. Joseph F Fraumeni , b. 1933, Director of Cancer Epidemiology and Genetics, The National Cancer Institute, Bethesda, MD, USA. -

lymphoma Germ cell tumour BRAIN TUMOURS Meningioma Extra-axial Vestibular Neuroepithelial schwannoma Medulloblastoma Neuronal Gliomas tumours Ependymomas and choroid plexus tumours TABLE 48.5 Chromosomal abnormalities associated with brain tumours. Syndrome Gene defect Tumour Neuro /f_i bromatosis Neuro /f_i bromin Astrocytomas; type 1 (chromosome 17) neuro /f_i bromas Neuro /f_i bromatosis Schwannomin Acoustic neuromas type 2 (chromosome 22) (bilateral); meningiomas Cowden's disease PTEN (chromosome 10) Astrocytomas Multiple Astrocytomas Hereditary non-polyposis colorectal cancer Li-Fraumeni p53 (chromosome 17)

Astrocytomas syndrome PTEN , phosphatase and tensin homologue.

Aetiology

The common primary brain tumours mentioned above mostly occur sporadically . There is no proven risk due to environmental factors, except for radiation exposure, but germline genetic syndromes may also predispose (Table 48.5). Theodor Schwann , 1810–1882, Professor of Anatomy , Louvain and Liège, Belgium. German physiologist who established the cellular basis of differentiated tissues including feathers. One of the few clinical syndromes named for the patient rather than the clinician. She died from breast cancer at the age of 20. Frederick Pei Li , 1940–2015, Professor of Medicine, Harvard University Medical School, Boston, MA, USA. Joseph F Fraumeni , b. 1933, Director of Cancer Epidemiology and Genetics, The National Cancer Institute, Bethesda, MD, USA. -

lymphoma Germ cell tumour BRAIN TUMOURS Meningioma Extra-axial Vestibular Neuroepithelial schwannoma Medulloblastoma Neuronal Gliomas tumours Ependymomas and choroid plexus tumours TABLE 48.5 Chromosomal abnormalities associated with brain tumours. Syndrome Gene defect Tumour Neuro /f_i bromatosis Neuro /f_i bromin Astrocytomas; type 1 (chromosome 17) neuro /f_i bromas Neuro /f_i bromatosis Schwannomin Acoustic neuromas type 2 (chromosome 22) (bilateral); meningiomas Cowden’s disease PTEN (chromosome 10) Astrocytomas Multiple Astrocytomas Hereditary non-polyposis colorectal cancer Li-Fraumeni p53 (chromosome 17) Astrocytomas syndrome PTEN , phosphatase and tensin homologue.

Revision #1

Created 2025-12-31 15:17:49 UTC by Omar Ayman

Updated 2025-12-31 15:17:49 UTC by Omar Ayman