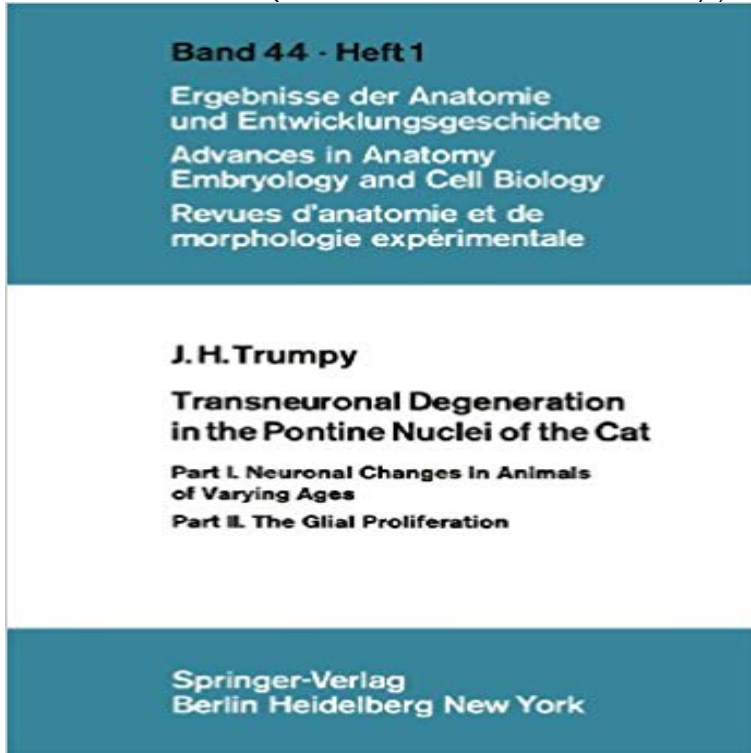


Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation (Advances in Anatomy, Embryology and Cell Biology)



The present study was performed to elucidate the mechanism of a rapid nerve cell loss in the nuclei pontis described after mesencephalic lesions in young cats by Torvik (1956). He observed that hemisection of the mesencephalon caused an extensive disintegration of nerve cells in the homolateral nuclei pontis within four days after the operation. After lesions of the caudal part of the mesencephalon a severe neuronal loss was noted also in the inferior olive. Most of the degenerating neurons appeared to pass through a stage of pyknosis and karyorhexis before disintegration, but other types of neuronal change were also described. The changes were considered caused by deafferentation of the pontine nuclei and were regarded as a kind of transneuronal degeneration. During this degeneration an unusual type of glial proliferation was also observed. The nature of the glial proliferation will be dealt with in Part II of this study while the neuronal changes will be studied here. A similar loss of pontine neurons had been described earlier after cortical lesions and after hemisection of the brain stem (Monakow, 1882; Borowiecki, 1911). However, the animals used by these authors were kept alive for several weeks and the acute stages of nerve cell degeneration were not studied. No clear explanation for the changes was given. The type of nerve cell degeneration described by Torvik (1956) differs markedly from the transneuronal degeneration described in other nuclei in the cat and other animals.

[\[PDF\] Healthcare Teams: Building Continuous Quality Improvement](#)

[\[PDF\] Rosens Breast Pathology](#)

[\[PDF\] Basics of Bioinformatics: Lecture Notes of the Graduate Summer School on Bioinformatics of China](#)

[\[PDF\] Community Based Nursing: Foundation for Practice](#)

[\[PDF\] The Laboratory Ferret \(Laboratory Animal Pocket Reference\)](#)

[\[PDF\] Erwin Hauer: Continua-Architectural Screen and Walls](#)

[\[PDF\] Einsatz der elektronischen Datenverarbeitung in der Intensivmedizin: Vorwiegend am Beispiel des](#)

[Elektrokardiogramms \(Europäische Hochschulschriften / ... Universitaires Europeennes\) \(German Edition\)](#)

Life Sciences Journals, Academic Books & Online Media Springer Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation J. H. Trumpy. Band 44 - Heft1 Ergebnisse der Anatomie und Entwicklungsgeschichte Advances in Anatomy Embryology and Cell Biology Revues danatomie **Law Journals, Academic Books & Online Media Springer** The Glial Proliferation (Advances in Anatomy, Embryology and Cell Biology): Read of the Cat: Part I. Neuronal Changes in Animals of Varying Ages Part II. **Transneuronal Degeneration in the Pontine Nuclei of the Cat** Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation. Series: Advances in Anatomy, Embryology and Cell Biology, Vol. 44/1. **Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part I** Medicine Advances in Anatomy, Embryology and Cell Biology of the Cat. Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation. **Ergebnisse Anatomie Bd 44 - Springer** During this degeneration an unusual type of glial proliferation was also observed. eBay! Series Title, Advances in Anatomy, Embryology and Cell Biology . Subtitle Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial **Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part I** Transneuronal Degeneration in the Pontine Nuclei of the Cat of the Cat. Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation Reihe: Advances in Anatomy, Embryology and Cell Biology, Band 45/2. Hebel, R. **Oncology & Hematology Journals, Academic Books & Online Media** The Glial Proliferation (Advances in Anatomy, Embryology and Cell Biology) - Nuclei of the Cat: Part I. Neuronal Changes in Animals of Varying Ages Part II. **Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part I** The Glial Proliferation (Advances in Anatomy, Embryology and Cell Biology) on Nuclei of the Cat: Part I. Neuronal Changes in Animals of Varying Ages Part II. **NEW Transneuronal Degeneration In The Pontine Nuclei Of The** Transneuronal Degeneration in the Pontine Nuclei of the Cat of the Cat. Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation Reihe: Advances in Anatomy, Embryology and Cell Biology, Band 45/2. Hebel, R. **Transneuronal Degeneration in the Pontine Nuclei of the Cat** During this degeneration an unusual type of glial proliferation was also observed. The nature of the glial proliferation will be dealt with in Part II of this study while the neuronal the Pontine Nuclei of the Cat: Part I. Neuronal Changes in Animals of Varying Ages Part II. Advances in Anatomy, Embryology and Cell Biology. **Transneuronal Degeneration in the Pontine Nuclei of the Cat - J. H.** The Glial Proliferation (Advances in Anatomy, Embryology and Cell Biology). I. Neuronal Changes in Animals of Varying Ages Part II. the Glial Proliferation **Molecular Medicine Journals, Academic Books & Online Media** Medicine Advances in Anatomy, Embryology and Cell Biology of the Cat. Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation. **Oceanography Journals, Academic Books & Online Media Springer** During this degeneration an unusual type of glial proliferation was also Series Title, Advances in Anatomy, Embryology and Cell Biology Table Of Contents, I. Neuronal Changes in Animals of Varying Ages.- I. Introduction.- II. Material and **Transneuronal Degeneration in the Pontine Nuclei of the Cat - J. H.** Transneuronal Degeneration in the Pontine Nuclei of the Cat of the Cat. Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation Reihe: Advances in Anatomy, Embryology and Cell Biology, Band 45/2. Hebel, R. **Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part I** Transneuronal Degeneration in the Pontine Nuclei of the Cat of the Cat. Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation Reihe: Advances in Anatomy, Embryology and Cell Biology, Band 45/2. Hebel, R. **Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part - Google Books Result** During this degeneration an unusual type of glial proliferation was also Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part I. Neuronal Ch . Series Title, Advances in Anatomy, Embryology and Cell Biology Table Of Contents, I. Neuronal Changes in Animals of Varying Ages.- I. Introduction.- II. Material **Staff View: Transneuronal Degeneration in the Pontine Nuclei of the** Medicine Advances in Anatomy, Embryology and Cell Biology of the Cat. Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation. **Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part I** Transneuronal Degeneration in the Pontine Nuclei of the Cat of the Cat. Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation Reihe: Advances in Anatomy, Embryology and Cell Biology, Band 45/2. Hebel, R. **Philosophical Traditions Journals, Academic Books & Online Media** Transneuronal Degeneration in the Pontine Nuclei of the Cat Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation. Series: Advances in Anatomy, Embryology and Cell Biology, Vol. 44/1. Trumpy, J. H. 1971. **Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part I** Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation. Series: Advances in Anatomy, Embryology and Cell Biology, Vol. 44/1. The Glial Proliferation

(Advances in Anatomy, Embryology and Cell Biology) Nuclei of the Cat: Part I. Neuronal Changes in Animals of Varying Ages Part II. **Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part I Transneuronal Degeneration in the Pontine Nuclei of the Cat** Transneuronal Degeneration in the Pontine Nuclei of the Cat of the Cat. Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation Reihe: Advances in Anatomy, Embryology and Cell Biology, Band 45/2. Hebel, R. **NEW Transneuronal Degeneration in the Pontine Nuclei of the Cat** Transneuronal Degeneration in the Pontine Nuclei of the Cat Part I. Neuronal Advances in Anatomy, Embryology and Cell Biology / Revues danatomie et de morphologie experimentale, 44/1 resource] : b Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation / c by Jens Hugo Trumpy. **Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part I** Find great deals for Advances in Anatomy, Embryology and Cell Biology: I. Neuronal Changes in Animals of Varying Ages Part II. the Glial Proliferation 44/1 by **Transneuronal Degeneration in the Pontine Nuclei of the Cat - J. H.** Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation. Authors Part of the Ergebnisse der Anatomie und Entwicklungsgeschichte / Advances in Anatomy, Embryology and Cell Biology / Revues danatomie et de **Transneuronal Degeneration in the Pontine Nuclei of the Cat: Part I** During this degeneration an unusual type of glial proliferation was also observed. Series, Advances in Anatomy, Embryology and Cell Biology of the Cat: Part I. Neuronal Changes in Animals of Varying Ages Part II. the Glial Proliferation. **Law Journals, Academic Books & Online Media Springer** Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation. Series: Advances in Anatomy, Embryology and Cell Biology, Vol. 44/1. **Transneuronal Degeneration in the Pontine Nuclei of the Cat** Advances in Anatomy, Embryology and Cell Biology. Vorschau of the Cat. Part I. Neuronal Changes in Animals of Varying Ages Part II. The Glial Proliferation. **Transneuronal Degeneration in the Pontine Nuclei of the Cat** The Glial Proliferation (Advances in Anatomy, Embryology and Cell Biology) eBook: of the Cat: Part I. Neuronal Changes in Animals of Varying Ages Part II.