



AN OVERVIEW OF HUMAN PRION DISEASES

DR. ANIL BATA

PROFESSOR & HEAD, DEPARTMENT OF MEDICAL BIOCHEMISTRY, GOVT. MEDICAL COLLEGE, AMRITSAR

ABSTRACT:

Prion diseases are transmissible, progressive and invariably fatal neurodegenerative conditions associated with misfolding and aggregation of a host-encoded cellular prion protein, PrP^C. They have occurred in a wide range of mammalian species including human. Human prion diseases can arise sporadically, be hereditary or be acquired. Sporadic human prion diseases include Cruetzfeldt-Jacob disease (CJD), fatal insomnia and variably protease-sensitive prionopathy. Genetic or familial prion diseases are caused by autosomal dominantly inherited mutations in the gene encoding for PrP^C and include familial or genetic CJD, fatal familial insomnia and Gerstmann-Sträussler-Scheinker syndrome. Acquired human prion diseases account for only 5% of cases of human prion disease. They include kuru, iatrogenic CJD and a new variant form of CJD that was transmitted to humans from affected cattle via meat consumption especially brain. This review presents information on the epidemiology, etiology, clinical assessment, neuropathology and public health concerns of human prion diseases. The role of the PrP encoding gene (*PRNP*) in conferring susceptibility to human prion diseases is also discussed.



Biography:

Prof. Dr. Anil Batta is presently professor & Head with senior consultant in Govt. Medical College, Amritsar. He did his M.B.B.S. and M.D. in Medical Biochemistry from Govt. Medical College, Patiala in 1984 and 1991, respectively. His research interest is mainly in clinical application especially cancer and drug de-addiction. He has supervised more than 25 M.D., M.Sc. and Doctorate researches and published more than 130 international research papers. He is the chief editor of America's Journal of Biochemistry. He is also working as advisor to the editorial board of International Journal of Biological and Medical Research. He has been deputed member Editorial Board of numerous International & National Medical Journals of Biochemistry. He has also been attached as technical advisor to various national and international conferences in Biochemistry. He has been attached as hi-tech endocrinal, genetics and automated labs of Baba Farid Univ. of Health Sciences, Faridkot. He has chaired various sessions in the Biochemistry meets. He has been designated as member Editorial Board of various in US and other European Countries. He is also involved in various research projects at Govt. Medical, Amritsar. He has done superspecialisation in Drug-de-addiction from PGIMER, Chandigarh.

PUBLICATIONS:

1. Anil Batta Biochemical diagnosis of acute appendicitis International Journal of Medical and Health Research ISSN: 2454-9142
Volume 4; Issue 7; July 2018; Page No. 77-80
2. Anil Batta Burnout Syndrome in Medical Fraternity ISSN 2518-3389 (Print) ISSN 2518-3397(Online) Scholars Middle East Publishers, Dubai, United Arab Emirates
3. Anil Batta Vitamin B12 and Depression Saudi Journal of Medicine ISSN 2518-3389 (Print)|ISSN 2518-3397(Online) Scholars Middle East Publishers, Dubai, United Arab Emirates
4. Anil Batta Depression, Anxiety and Distress in Patients of Cancer Starting Chemotherapy Scholars International Journal of Biochemistry Abbreviated Key Title: Sch Int J Biochem ISSN 2616-8650(Print)|ISSN 2617-3476(Online) Scholars Middle East Publishers, Dubai, United Arab Emirates
5. Anil Batta Biochemical Diagnosis of Dupuytren's Disease *East African Scholars J Med Sci* ISSN 2617-4421 (Print) | ISSN 2617-7188 Original Research Article

[2nd Global Experts Meet on STD-AIDS and Infectious Diseases, Sydney, Australia, February 10-11, 2020](#)

Abstract Citation: [DR. ANIL BATA, AN OVERVIEW OF HUMAN PRION DISEASES, STD-AIDS CONGRESS 2020, 2nd Global Experts Meet on STD-AIDS and Infectious Diseases, Sydney, Australia, February 10-11, 2020](#)

Theme: "Fighting STD & Infectious Diseases with Innovative Therapeutic Techniques"