



NEOPLASTIC METASTASES TO ENDOCRINE GLANDS

ABSTRACT

Endocrine organs are metastatic targets for several primary cancers, either through direct extension from nearby tumour cells or dissemination via the venous, arterial and lymphatic routes. Although any endocrine tissue can be affected, most clinically relevant metastases involve the pituitary and adrenal glands with the commonest manifestations being diabetes insipidus and adrenal insufficiency respectively. The most common primary tumours metastasising to the adrenals include melanomas, breast and lung carcinomas, which may lead to adrenal insufficiency in the presence of bilateral adrenal involvement. Breast and lung cancers are the most common primaries metastasising to the pituitary, leading to pituitary dysfunction in approximately 30% of cases. The thyroid gland can be affected by renal, colorectal, lung and breast carcinomas, and melanomas, but has rarely been associated with thyroid dysfunction. Pancreatic metastasis can lead to exo-/endocrine insufficiency with renal carcinoma being the most common primary. Most parathyroid metastases originate from breast and lung carcinomas and melanoma. Breast and colorectal cancers are the most frequent ovarian metastases; prostate cancer commonly affects the testes. In the presence of endocrine deficiencies, glucocorticoid replacement for adrenal and pituitary involvement can be life saving. As most metastases to endocrine organs develop in the context of disseminated disease, surgical resection or other local therapies should only be considered to ameliorate symptoms and reduce tumour volume. Although few consensus statements can be made regarding the management of metastases to endocrine tissues because of the heterogeneity of the variable therapies, it is important that clinicians are aware of their presence in diagnosis.



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

[World congress on Endocrinology and Metabolic syndrome, Kyoto, Japan, April 20-21, 2020](#)

Abstract Citation : [Prof. Dr. Anil Batta, NEOPLASTIC METASTASES TO ENDOCRINE GLANDS , ENDOCRINE METABOLIC SYNDROME 2020, Kyoto, Japan, April 20-21, 2020](#)

Theme: "Communication, Innovation and Development in the field of Endocrine Metabolic Syndrome"