

POSTER PRESENTATION

Open Access

Imaging manifestations of unusual side effects of new anticancer medications

B Parameswaran*, K Moodie

From International Cancer Imaging Society (ICIS) 14th Annual Teaching Course Heidelberg, Germany. 9-11 October 2014

Aim

To illustrate imaging manifestations of unusual side effects of some new anti-cancer medications.

Many of the new anti-cancer medications target specific biologic pathways and are expected to cause less adverse effects on healthy tissues. Some of these agents are associated with unusual side effects, recognition of which is clinically important.

Ipilimumab is a monoclonal antibody against cytotoxic T lymphocyte-associated antigen (CTLA)-4 used for the treatment of metastatic melanoma. Though it has been shown to increase overall survival rates, it also results in various immune-related adverse effects, one of which is hypophysitis.

Crizotinib is an anaplastic lymphoma kinase (ALK) and c-ros oncogene 1 inhibitor, approved for treatment of non-small cell lung carcinoma. Its side effects include the unusual formation of complex renal cysts which mimic renal abscesses or malignancy.

In this presentation, we illustrate the imaging manifestations of Ipilimumab associated hypophysitis, early recognition of which is important as cessation of the drug in affected patients leads to resolution of hypophysitis, and also demonstrate complex renal cysts associated with the use of Crizotinib, knowledge of which is important to avoid misdiagnosis of renal abscess/ malignancy and consequent inappropriate treatment or stoppage of Crizotinib.

Published: 9 October 2014

doi:10.1186/1470-7330-14-S1-P37

Cite this article as: Parameswaran and Moodie: Imaging manifestations of unusual side effects of new anticancer medications. *Cancer Imaging* 2014 **14**(Suppl 1):P37.

* Correspondence: drbimalkumar@yahoo.com
Peter MacCallum Cancer Centre, Melbourne, Australia

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit