Pharmacogenomics Component
16th IHIWS

Co-Chairs

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AIM: To establish an on-going registry for compilation of data on the incidence of associations of HLA alleles and/or other immunogenetic factors with adverse drug reactions in different populations

The long term goal of this IHIWS component is to initiate both a registry and potential repository for future studies of other possible pharmacogenetic associations.

Current Projects:

1. Retrospective study of HLA alleles in patients of different ethnic groups who had adverse reactions to carbamazepine.

   - Clara Gorodezky, PI

2. Retrospective study of CIBMTR database for associations of adverse outcomes such as liver toxicity and/or pulmonary abnormalities after treatment with busulfan and other chemotherapeutic agents.

   - Martin Maiers, PI

Guidelines for Participation:

- For carbamazepine study:
  - HLA phenotypes of 50 non-Asian patients with adverse reactions, 50 patients with no ADR and 50 ethnically matched controls.
- To initiate an ongoing registry, data may be submitted on other adverse reactions provided submission includes ethnically matched controls.
- HLA resolution (allele level) class I and II typing
  - Assistance with allele level typing will be provided on limited basis from central labs.
- Appropriate institution review board approval and informed consents must be obtained.

Register at the Pharmacogenomics Component: at the 16IHW website

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