Cancer risk in populations with immune dysfunction

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Integrated Cancer Research

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Current research

Site-specific cancer incidence and risk factors in national cohorts with immune deficiency

1. Kidney transplant recipients
2. HIV-AIDS
3. Heart, lung and liver transplant recipients
4. Primary immune deficiency

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Current research

Site-specific cancer incidence, survival and risk factors in cohorts with immune dysregulation

1. Haematopoietic stem cell transplant recipients (National)
2. Opioid-dependent persons receiving pharmacotherapy (NSW)
3. Autoimmune disease (NSW and WA)
4. Atopic disease (NSW and WA)

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Current research

Non-Hodgkin Lymphoma

1. International pooled analyses of case-control study data
   - Immunological and infectious risk factors
   - GxE
   - Rare subtypes
2. Incidence trends: Australia 1992-2006

Methodological

1. Validity of name-code based data linkage

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Future research

Biological pathways to cancer in immune dysregulation

1. Tumor tissue collection in existing cohorts
   - Cancers identified via CR linkage
     (unknowns: HREC waive consent, data custodians OK?)
   - Biomarkers
     - Aetiology
2. Prospective high-risk cohorts
   - Questionnaires, biological samples and data linkage
3. Other cohort studies

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