

Primary Immunodeficiency

Primary immunodeficiency (PID) diseases are a group of potentially serious disorders in which inherited defects in the immune system lead to increased infections.

- Many people with primary immune deficiency diseases have experienced similar patterns of symptoms; often referred to as “Warning signs and symptoms” (See below)

Information Required

- Referral criteria are 1 or more of the following:
 - 4 or more new ear infections within 1 year
 - 2 or more serious sinus infections within 1 year
 - 2 or more months on antibiotics with little effect
 - 2 or more pneumonias within 1 year
 - Failure of an infant to gain weight or grow normally
 - Recurrent, deep skin or organ abscesses
 - Persistent thrush in mouth or fungal infection on skin
 - Need for intravenous antibiotics to clear infections
 - 2 or more deep-seated infections including septicaemia
 - A family history of primary immune deficiency
- History of infections – date, type of infectious organism, severity, treatment trialled and response
- Family history
- Diagnostic test results – organisms identified
- Current management

Investigations Required

- Full blood count (with differentials)
- Liver function tests including Albumin/Protein
- Immunoglobulins: IgG, IgA and IgM
- Lymphocyte surface markers
- C4
- Chest X-ray (if history of chest infections)

Fax referrals to Allergy/Clinical Immunology Service

Flinders Medical Centre

Fax: 08 8204 7483

Red Flag

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| <ul style="list-style-type: none"> Very low or absent IgG or IgM Low C4 | <ul style="list-style-type: none"> Suppurative lung disease / bronchiectasis Severe failure to thrive |
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Suggested GP Management

- Suspected cases of PID should be promptly referred to FMC Allergy/Clinical Immunology (ACI) Service for diagnosis and treatment, clearly highlighted as “**suspected immunodeficiency**”
- Treat infections in the usual manner; antibiotics often first line treatment.
- Hold live attenuated viral vaccinations (including rotavirus, MMR and varicella) pending specialist assessment

Clinical Resources

- Australasian Society of Clinical Immunology and Allergy (ASCI) www.allergy.org.au
- Immune Deficiencies Foundation Australia (IDFA) www.idfa.org.au

General Information to assist with referrals and the Referral templates for FMC is available to download from the SALHN Outpatient Services website www.sahealth.sa.gov.au/SALHNoutpatients.

Version	Date from	Date to	Amendment
1.0	September 2014	September 2016	Original
2.0	October 2018	October 2021	Revised – No Change Required