



**Australian Government**  
**Repatriation Medical Authority**

**Statement of Principles**  
**concerning**  
**IMMUNE THROMBOCYTOPAENIA**  
**(Balance of Probabilities)**  
**(No. 64 of 2017)**

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The Repatriation Medical Authority determines the following Statement of Principles under subsection 196B(3) of the *Veterans' Entitlements Act 1986*.

Dated 3 November 2017

The Common Seal of the  
Repatriation Medical Authority  
was affixed to this instrument  
at the direction of:

A handwritten signature in black ink, appearing to read 'Nicholas Saunders'.

Professor Nicholas Saunders AO  
Chairperson

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## **1 Name**

This is the Statement of Principles concerning *immune thrombocytopaenia (Balance of Probabilities)* (No. 64 of 2017).

## **2 Commencement**

This instrument commences on 4 December 2017.

## **3 Authority**

This instrument is made under subsection 196B(3) of the *Veterans' Entitlements Act 1986*.

## **4 Revocation**

The Statement of Principles concerning immune thrombocytopaenic purpura No. 73 of 2008, made under subsection 196B(3) of the VEA is revoked.

## **5 Application**

This instrument applies to a claim to which section 120B of the VEA or section 339 of the *Military Rehabilitation and Compensation Act 2004* applies.

## **6 Definitions**

The terms defined in the Schedule 1 - Dictionary have the meaning given when used in this instrument.

## **7 Kind of injury, disease or death to which this Statement of Principles relates**

- (1) This Statement of Principles is about immune thrombocytopaenia and death from immune thrombocytopaenia.

### *Meaning of immune thrombocytopaenia*

- (2) For the purposes of this Statement of Principles, immune thrombocytopaenia means:
- (a) an autoimmune disorder characterised by an isolated thrombocytopaenia, and a peripheral platelet count of less than 100 000 per microlitre, together with either:
    - (i) the presence of bleeding symptoms; or
    - (ii) the need for treatment to increase the platelet count; and
  - Note: Bleeding symptoms can include bruising (purpura), mucocutaneous bleeding (petechiae), retinal haemorrhage, intracranial haemorrhage, nose bleeds (epistaxis), bleeding from the bowels (melaena) and vaginal bleeding (menorrhagia).
  - (b) excludes pseudothrombocytopaenia, thrombocytopaenia that is caused by non-immunological mechanisms, allergic and other

non-thrombocytopenic purpura, purpura caused by qualitative platelet defects, thrombotic thrombocytopenic purpura, Evan's syndrome, pancytopenia, and thrombocytopenia occurring in the presence of abnormal red or white blood cells.

*Death from immune thrombocytopenia*

- (3) For the purposes of this Statement of Principles, immune thrombocytopenia, in relation to a person, includes death from a terminal event or condition that was contributed to by the person's immune thrombocytopenia.

Note: *terminal event* is defined in the Schedule 1 – Dictionary.

## **8 Basis for determining the factors**

On the sound medical-scientific evidence available, the Repatriation Medical Authority is of the view that it is more probable than not that immune thrombocytopenia and death from immune thrombocytopenia can be related to relevant service rendered by veterans or members of the Forces under the VEA, or members under the MRCA.

Note: *relevant service* is defined in the Schedule 1 – Dictionary.

## **9 Factors that must exist**

At least one of the following factors must exist before it can be said that, on the balance of probabilities, immune thrombocytopenia or death from immune thrombocytopenia is connected with the circumstances of a person's relevant service:

- (1) having a viral infection from the specified list of viral infections within the six weeks before the clinical onset of immune thrombocytopenia;

Note: *specified list of viral infections* is defined in the Schedule 1 - Dictionary.

- (2) having a bacterial or fungal infection from the specified list of bacterial and fungal infections, within the six weeks before the clinical onset of immune thrombocytopenia;

Note: *specified list of bacterial and fungal infections* is defined in the Schedule 1 - Dictionary.

- (3) being treated with a drug or a drug from a class of drugs from the specified list of drugs, within the six weeks before the clinical onset of immune thrombocytopenia;

Note: *specified list of drugs* is defined in the Schedule 1 - Dictionary.

- (4) receiving a vaccine from the specified list of vaccines within the six weeks before the clinical onset of immune thrombocytopenia;

Note: *specified list of vaccines* is defined in the Schedule 1 - Dictionary.

- (5) being treated with a drug or receiving a dose of vaccine which is associated in the individual with the following:
  - (a) the development of immune thrombocytopaenia within six weeks of commencing drug therapy or receiving the dose of vaccine; and
  - (b) an absence of immune thrombocytopaenia prior to commencing drug therapy or vaccination; and
  - (c) sustained recovery from immune thrombocytopaenia on ceasing drug therapy or vaccination; and
  - (d) exclusion of other aetiologies for thrombocytopaenia (including other drugs or vaccines);
- (6) being pregnant within the six weeks before the clinical onset of immune thrombocytopaenia;
- (7) having a lymphoproliferative disorder from the specified list of lymphoproliferative disorders, at the time of the clinical onset of immune thrombocytopaenia;

Note: *specified list of lymphoproliferative disorders* is defined in the Schedule 1 - Dictionary.

- (8) having an autoimmune or inflammatory disorder from the specified list of autoimmune and inflammatory disorders, at the time of the clinical onset of immune thrombocytopaenia;

Note: *specified list of autoimmune and inflammatory disorders* is defined in the Schedule 1 - Dictionary.

- (9) consuming a food or beverage from the specified list of food and beverages, within the six weeks before the clinical onset of immune thrombocytopaenia;

Note: *specified list of food and beverages* is defined in the Schedule 1 - Dictionary.

- (10) consuming a food or beverage which is associated in the individual with the following:
  - (a) the development of immune thrombocytopaenia within six weeks of consuming the food or beverage; and
  - (b) an absence of immune thrombocytopaenia prior to consuming the food or beverage; and
  - (c) sustained recovery from immune thrombocytopaenia on ceasing consumption of the food or beverage; and
  - (d) exclusion of other aetiologies for thrombocytopaenia; and
  - (e) recurrence of immune thrombocytopaenia on re-exposure to the food or beverage; or
  - (f) identification of platelet reactive antibodies specific to the food or beverage;

- (11) having a solid organ or stem cell transplant before the clinical onset of immune thrombocytopaenia;
- (12) having a solid organ cancer at the time of the clinical onset of immune thrombocytopaenia;
- (13) being treated with alemtuzumab in the two years before the clinical onset of immune thrombocytopaenia;
- (14) having a viral infection from the specified list of viral infections within the six weeks before the clinical worsening of immune thrombocytopaenia;

Note: *specified list of viral infections* is defined in the Schedule 1 - Dictionary.

- (15) having a bacterial or fungal infection from the specified list of bacterial and fungal infections, within the six weeks before the clinical worsening of immune thrombocytopaenia;

Note: *specified list of bacterial and fungal infections* is defined in the Schedule 1 - Dictionary.

- (16) being treated with a drug or a drug from a class of drugs from the specified list of drugs, within the six weeks before the clinical worsening of immune thrombocytopaenia;

Note: *specified list of drugs* is defined in the Schedule 1 - Dictionary.

- (17) receiving a vaccine from the specified list of vaccines within the six weeks before the clinical worsening of immune thrombocytopaenia;

Note: *specified list of vaccines* is defined in the Schedule 1 - Dictionary.

- (18) being treated with a drug or receiving a dose of vaccine which is associated in the individual with the following:
  - (a) the worsening of immune thrombocytopaenia within six weeks of drug therapy or receiving the dose of vaccine; and
  - (b) recovery to the individual's baseline platelet level on ceasing drug therapy or vaccination; and
  - (c) exclusion of other aetiologies for thrombocytopaenia (including other drugs or vaccines);

- (19) being pregnant within the six weeks before the clinical worsening of immune thrombocytopaenia;

- (20) having a lymphoproliferative disorder from the specified list of lymphoproliferative disorders, at the time of the clinical worsening of immune thrombocytopaenia;

Note: *specified list of lymphoproliferative disorders* is defined in the Schedule 1 - Dictionary.

- (21) having an autoimmune or inflammatory disorder from the specified list of autoimmune and inflammatory disorders, at the time of the clinical worsening of immune thrombocytopaenia;

Note: *specified list of autoimmune and inflammatory disorders* is defined in the Schedule 1 - Dictionary.

- (22) consuming a food or beverage from the specified list of food and beverages, within the six weeks before the clinical worsening of immune thrombocytopaenia;

Note: *specified list of food and beverages* is defined in the Schedule 1 - Dictionary.

- (23) consuming a food or beverage which is associated in the individual with the following:
- (a) the worsening of immune thrombocytopaenia within six weeks of consuming the food or beverage; and
  - (b) recovery to the individual's baseline platelet level on ceasing consumption of the food or beverage; and
  - (c) exclusion of other aetiologies for thrombocytopaenia; and
  - (d) recurrence of the worsening of immune thrombocytopaenia on re-exposure to the food or beverage; or
  - (e) identification of platelet reactive antibodies specific to the food or beverage;
- (24) having a solid organ or stem cell transplant before the clinical worsening of immune thrombocytopaenia;
- (25) having a solid organ cancer at the time of the clinical worsening of immune thrombocytopaenia;
- (26) inability to obtain appropriate clinical management for immune thrombocytopaenia.

## **10 Relationship to service**

- (1) The existence in a person of any factor referred to in section 9, must be related to the relevant service rendered by the person.
- (2) The factors set out in subsections 9(14) to 9(26) apply only to material contribution to, or aggravation of, immune thrombocytopaenia where the person's immune thrombocytopaenia was suffered or contracted before or during (but did not arise out of) the person's relevant service.

**11 Factors referring to an injury or disease covered by another Statement of Principles**

In this Statement of Principles:

- (1) if a factor referred to in section 9 applies in relation to a person; and
- (2) that factor refers to an injury or disease in respect of which a Statement of Principles has been determined under subsection 196B(3) of the VEA;

then the factors in that Statement of Principles apply in accordance with the terms of that Statement of Principles as in force from time to time.



# Schedule 1 - Dictionary

Note: See Section 6

## 1 Definitions

In this instrument:

*immune thrombocytopaenia*—see subsection 7(2).

*MRCA* means the *Military Rehabilitation and Compensation Act 2004*.

*relevant service* means:

- (a) eligible war service (other than operational service) under the VEA;
- (b) defence service (other than hazardous service and British nuclear test defence service) under the VEA; or
- (c) peacetime service under the MRCA.

Note: *MRCA* and *VEA* are also defined in the Schedule 1 - Dictionary.

*specified list of autoimmune and inflammatory disorders* means:

- (a) antiphospholipid syndrome;
- (b) autoimmune hepatitis;
- (c) coeliac disease;
- (d) dermatomyositis;
- (e) Graves' disease;
- (f) Hashimoto's thyroiditis;
- (g) inflammatory bowel disease;
- (h) rheumatoid arthritis;
- (i) sarcoidosis;
- (j) Sjögren's syndrome; or
- (k) systemic lupus erythematosus.

*specified list of bacterial and fungal infections* means:

- (a) *Brucella* species;
- (b) *Candida albicans*;
- (c) *Helicobacter pylori*; or
- (d) *Mycobacterium tuberculosis*.

*specified list of drugs* means:

- (a) abciximab;
- (b) aminosalicyclic acid;
- (c) amiodarone;
- (d) amlodipine;
- (e) carbamazepine;
- (f) cephalosporins;
- (g) ciprofloxacin;
- (h) citalopram;
- (i) clopidogrel;
- (j) dactinomycin (actinomycin D);
- (k) diazoxide;

- (l) efalizumab;
- (m) eptifibatide;
- (n) ethambutol;
- (o) fludarabine;
- (p) furosemide (frusemide);
- (q) gentamicin;
- (r) glucagon;
- (s) haloperidol;
- (t) heparins;
- (u) hydrochlorothiazide;
- (v) imipramine;
- (w) infliximab;
- (x) interferon- $\alpha$ ;
- (y) interferon- $\beta$ ;
- (z) irinotecan;
- (aa) isotretinoin;
- (bb) lamivudine;
- (cc) lamotrigine;
- (dd) levetiracetam;
- (ee) levofloxacin;
- (ff) lorazepam;
- (gg) melperone;
- (hh) methylphenidate;
- (ii) mirtazapine;
- (jj) nifedipine;
- (kk) nitrofurantoin;
- (ll) nivolumab;
- (mm) non-steroidal anti-inflammatory drugs, excluding aspirin;
- (nn) oxaliplatin;
- (oo) paracetamol;
- (pp) pembrolizumab;
- (qq) penicillin or penicillin derivatives;
- (rr) phenobarbital (phenobarbitone);
- (ss) phenytoin;
- (tt) quetiapine;
- (uu) quinidine;
- (vv) quinine;
- (ww) ranitidine;
- (xx) rifampicin;
- (yy) risperidone;
- (zz) sodium stibogluconate;
- (aaa) spironolactone;
- (bbb) sulfamethoxazole/trimethoprim;
- (ccc) sulfamethoxazole;
- (ddd) sulfasalazine;
- (eee) sulfonamides;
- (fff) suramin;
- (ggg) tamoxifen;

- (hhh) terazosin;
- (iii) tirofiban;
- (jjj) tolmetin;
- (kkk) tranilast;
- (lll) triamterene/hydrochlorothiazide;
- (mmm) triamterene;
- (nnn) trimethoprim; or
- (ooo) vancomycin.

***specified list of food and beverages*** means:

- (a) cranberry juice;
- (b) *Lupinus termis* bean;
- (c) quinine-containing beverages;
- (d) tahini; or
- (e) walnuts.

***specified list of lymphoproliferative disorders*** means:

- (a) acute lymphoblastic leukaemia;
- (b) chronic lymphocytic leukaemia/small lymphocytic lymphoma;
- (c) Hodgkin's lymphoma;
- (d) large granular lymphocytic leukaemia;
- (e) monoclonal gammopathy of unknown significance;
- (f) myeloma;
- (g) non-Hodgkin's lymphoma; or
- (h) Waldenstrom's macroglobulinaemia.

***specified list of vaccines*** means:

- (a) hepatitis A vaccine;
- (b) hepatitis B vaccine;
- (c) influenza vaccine; or
- (d) measles-mumps-rubella vaccine.

***specified list of viral infections*** means:

- (a) cytomegalovirus;
- (b) Epstein-Barr virus;
- (c) hepatitis A virus;
- (d) hepatitis B virus;
- (e) hepatitis C virus;
- (f) hepatitis E virus;
- (g) human immunodeficiency virus;
- (h) influenza virus;
- (i) measles virus;
- (j) mumps virus;
- (k) parvovirus B19;
- (l) rotavirus;
- (m) rubella virus;
- (n) varicella-zoster virus (chickenpox); or
- (o) Zika virus.

***terminal event*** means the proximate or ultimate cause of death and includes the following:

- (a) pneumonia;
- (b) respiratory failure;
- (c) cardiac arrest;
- (d) circulatory failure; or
- (e) cessation of brain function.

***VEA*** means the *Veterans' Entitlements Act 1986*.