



Australian Government
Repatriation Medical Authority

Statement of Principles
concerning
SOFT TISSUE SARCOMA
No. 6 of 2015

for the purposes of the

Veterans' Entitlements Act 1986
and
Military Rehabilitation and Compensation Act 2004

Title

1. This Instrument may be cited as Statement of Principles concerning soft tissue sarcoma No. 6 of 2015.

Determination

2. The Repatriation Medical Authority under subsection **196B(3)** and **(8)** of the *Veterans' Entitlements Act 1986* (the VEA):
 - (a) revokes Instrument No. 14 of 2006 concerning soft tissue sarcoma; and
 - (b) determines in its place this Statement of Principles.

Kind of injury, disease or death

3.
 - (a) This Statement of Principles is about **soft tissue sarcoma** and **death from soft tissue sarcoma**.
 - (b) For the purposes of this Statement of Principles, "**soft tissue sarcoma**" means a malignant neoplasm derived from extraskelatal connective tissue, including fibrous, fat, smooth muscle, nerve, vascular, histiocytic and synovial tissue, and which can occur at any site in the body. This definition includes atypical fibroxanthoma and mullerian adenosarcoma, but excludes mesothelioma, Kaposi's sarcoma, malignant neoplasm of bone and articular cartilage, and malignant neoplasm of the lymphopoietic and haematopoietic tissue.

- (c) Soft tissue sarcoma attracts ICD-10-AM code C22.3, C22.4, C30.0, C32.3, C47, C48 or C49.
- (d) In the application of this Statement of Principles, the definition of "**soft tissue sarcoma**" is that given at paragraph 3(b) above.

Basis for determining the factors

- 4. On the sound medical-scientific evidence available, the Repatriation Medical Authority is of the view that it is more probable than not that **soft tissue sarcoma** and **death from soft tissue sarcoma** can be related to relevant service rendered by veterans or members of the Forces under the VEA, or members under the *Military Rehabilitation and Compensation Act 2004* (the MRCA).

Factors that must be related to service

- 5. Subject to clause 7, at least one of the factors set out in clause 6 must be related to the relevant service rendered by the person.

Factors

- 6. The factor that must exist before it can be said that, on the balance of probabilities, **soft tissue sarcoma** or **death from soft tissue sarcoma** is connected with the circumstances of a person's relevant service is:
 - (a) inhaling, ingesting or having cutaneous contact with a chemical agent contaminated by 2,3,7,8-tetrachlorodibenzo-para-dioxin (TCDD) for a cumulative period of at least 500 hours, at least five years before the clinical onset of soft tissue sarcoma; or
 - (b) having received a cumulative equivalent dose of at least 0.5 sievert of ionising radiation to the affected region at least five years before the clinical onset of soft tissue sarcoma; or
 - (c) for angiosarcoma only:
 - (i) having received a cumulative equivalent dose of at least 0.5 sievert of ionising radiation to the affected region at least two years before the clinical onset of soft tissue sarcoma; or
 - (ii) having lymphoedema of the affected region at the time of the clinical onset of soft tissue sarcoma; or
 - (d) for hepatic angiosarcoma only, inhaling a cumulative dose of at least 200 ppm-years of gaseous vinyl chloride at least five years before the clinical onset of soft tissue sarcoma; or
 - (e) being treated with an immunosuppressive drug for at least three months before the clinical onset of soft tissue sarcoma; or
 - (f) for uterine sarcoma only:
 - (i) being obese for a period of at least ten years within the 20 years before the clinical onset of soft tissue sarcoma;
 - (ii) undergoing treatment with tamoxifen for a period of at least four months before the clinical onset of soft tissue sarcoma; or

- (g) inability to obtain appropriate clinical management for soft tissue sarcoma.

Factors that apply only to material contribution or aggravation

7. Paragraph 6(g) applies only to material contribution to, or aggravation of, soft tissue sarcoma where the person's soft tissue sarcoma was suffered or contracted before or during (but not arising out of) the person's relevant service.

Inclusion of Statements of Principles

8. In this Statement of Principles if a relevant factor applies and that factor includes an injury or disease in respect of which there is a Statement of Principles then the factors in that last mentioned Statement of Principles apply in accordance with the terms of that Statement of Principles as in force from time to time.

Other definitions

9. For the purposes of this Statement of Principles:

"an immunosuppressive drug" means a drug or an agent which results in substantial suppression of immune responses. This definition includes corticosteroids other than inhaled or topical corticosteroids, drugs used to prevent transplant rejection, tumour necrosis factor- α inhibitors and chemotherapeutic agents used for the treatment of cancer;

"angiosarcoma" means lymphangiosarcoma or haemangiosarcoma;

"being obese" means an increase in body weight by way of fat accumulation which results in a Body Mass Index (BMI) of 30 or greater.

The $BMI = W/H^2$ and where:

W is the person's weight in kilograms; and

H is the person's height in metres;

"cumulative equivalent dose" means the total dose of ionising radiation received by the particular organ or tissue. The formula used to calculate the cumulative equivalent dose allows doses from multiple types of ionising radiation to be combined, by accounting for their differing biological effect. The unit of equivalent dose is the sievert. For the purposes of this Statement of Principles, the calculation of cumulative equivalent dose excludes doses received from normal background radiation, but includes therapeutic radiation, diagnostic radiation, cosmic radiation at high altitude, radiation from occupation related sources and radiation from nuclear explosions or accidents;

"death from soft tissue sarcoma" in relation to a person includes death from a terminal event or condition that was contributed to by the person's soft tissue sarcoma;

"ICD-10-AM code" means a number assigned to a particular kind of injury or disease in The International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Australian Modification (ICD-10-AM),

Eighth Edition, effective date of 1 July 2013, copyrighted by the Independent Hospital Pricing Authority, and having ISBN 978-1-74128-213-9;

"inhaling, ingesting or having cutaneous contact with a chemical agent contaminated by 2,3,7,8-tetrachlorodibenzo-para-dioxin (TCDD)" means:

- (a) decanting or spraying;
- (b) cleaning or maintaining equipment used to apply;
- (c) being sprayed with;
- (d) handling or sawing timber treated with;
- (e) being in an environment shrouded in dust from timber treated with; or
- (f) using cutting oils contaminated with;

one of the following chemicals:

- (i) 2,4,5-trichlorophenoxyacetic acid;
- (ii) 2,4,5-trichlorophenoxypropionic acid;
- (iii) 2,4,5-trichlorophenol;
- (iv) 2-(2,4,5-trichlorophenoxy)-ethyl 2,2-dichloropropionate;
- (v) o,o-dimethyl-o-(2,4,5-trichlorophenyl)-phosphorothioate;
- (vi) pentachlorophenol;
- (vii) 2,3,4,6-tetrachlorophenol;
- (viii) 2,4,6-trichlorophenol;
- (ix) 1,3,4-trichloro-2-(4-nitrophenoxy)benzene;
- (x) 2,4-dichloro-1-(4-nitrophenoxy)benzene; or
- (xi) 2,4-dichloro-1-(3-methoxy-4-nitrophenoxy)-benzene;

"lymphoedema" means chronic oedema due to accumulation of interstitial fluid as a result of stasis of lymph, which is secondary to obstruction of lymph vessels or disorders of the lymph nodes;

"ppm-years" means parts per million multiplied by years of exposure;

"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;

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

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

Application

- 10.** This Instrument applies to all matters to which section 120B of the VEA or section 339 of the MRCA applies.

Date of effect

11. This Instrument takes effect from 27 January 2015.

Dated this *nineteenth* day of *December* 2014

The Common Seal of the
Repatriation Medical Authority
was affixed at the direction of:)



PROFESSOR NICHOLAS SAUNDERS AO
CHAIRPERSON