



Australian Government  
Repatriation Medical Authority

## Statement of Principles concerning

# MALIGNANT NEOPLASM OF THE COLORECTUM

## No. 37 of 2013

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 malignant neoplasm of the colorectum No. 37 of 2013.

### Determination

2. The Repatriation Medical Authority under subsection **196B(2)** and **(8)** of the *Veterans' Entitlements Act 1986* (the VEA):
  - (a) revokes Instrument No. 1 of 2004, as amended by Instrument No. 39 of 2011, concerning malignant neoplasm of the colorectum; and
  - (b) determines in their place this Statement of Principles.

### Kind of injury, disease or death

3.
  - (a) This Statement of Principles is about **malignant neoplasm of the colorectum** and **death from malignant neoplasm of the colorectum**.
  - (b) For the purposes of this Statement of Principles, "**malignant neoplasm of the colorectum**" means a primary malignant neoplasm arising from the epithelial cells of the colorectum. Anatomically the colorectum is defined as extending from the caecum, including the ileocaecal junction, to the junction with the anal canal. This definition of malignant neoplasm of the colorectum excludes soft tissue sarcoma,

carcinoid tumour, non-Hodgkin's lymphoma and Hodgkin's lymphoma.

- (c) Malignant neoplasm of the colorectum attracts ICD-10-AM code C18, C19 or C20.
- (d) In the application of this Statement of Principles, the definition of **"malignant neoplasm of the colorectum"** is that given at paragraph 3(b) above.

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

- 4. The Repatriation Medical Authority is of the view that there is sound medical-scientific evidence that indicates that **malignant neoplasm of the colorectum** and **death from malignant neoplasm of the colorectum** can be related to relevant service rendered by veterans, members of Peacekeeping Forces, 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 as a minimum exist before it can be said that a reasonable hypothesis has been raised connecting **malignant neoplasm of the colorectum** or **death from malignant neoplasm of the colorectum** with the circumstances of a person's relevant service is:
  - (a) having a colorectal adenoma before the clinical onset of malignant neoplasm of the colorectum; or
  - (b) smoking at least 15 pack-years of cigarettes, or the equivalent thereof in other tobacco products, before the clinical onset of malignant neoplasm of the colorectum, and
    - (i) smoking commenced at least 15 years before the clinical onset of malignant neoplasm of the colorectum; and
    - (ii) where smoking has ceased, the clinical onset of malignant neoplasm of the colorectum has occurred within 30 years of cessation; or
  - (c) drinking at least 250 kilograms of alcohol before the clinical onset of malignant neoplasm of the colorectum; or
  - (d) consuming an average daily intake of at least 100 grams per day of red meat, for at least ten years within the 25 years before the clinical onset of malignant neoplasm of the colorectum; or
  - (e) consuming an average daily intake of at least 25 grams per day of processed meat product, for at least ten years within the 25 years before the clinical onset of malignant neoplasm of the colorectum; or

- (f) having ulcerative colitis for at least five years before the clinical onset of malignant neoplasm of the colorectum; or
- (g) having Crohn's disease of the colorectum for at least five years before the clinical onset of malignant neoplasm of the colorectum; or
- (h) having familial adenomatous polyposis before the clinical onset of malignant neoplasm of the colorectum; or
- (i) having received a cumulative equivalent dose of at least 0.1 sievert of ionising radiation to the colorectum at least five years before the clinical onset of malignant neoplasm of the colorectum; or
- (j) being obese for at least five years within the 30 years before the clinical onset of malignant neoplasm of the colorectum; or
- (k) inhaling respirable asbestos fibres in an enclosed space:
  - (i) for a cumulative period of at least 1 000 hours before the clinical onset of malignant neoplasm of the colorectum; and
  - (ii) at the time material containing respirable asbestos fibres was being applied, removed, dislodged, cut or drilled; and
  - (iii) the first inhalation of asbestos fibres commenced at least five years before the clinical onset of malignant neoplasm of the colorectum; or
- (l) inhaling respirable asbestos fibres in an open environment:
  - (i) for a cumulative period of at least 3 000 hours before the clinical onset of malignant neoplasm of the colorectum; and
  - (ii) at the time material containing respirable asbestos fibres was being applied, removed, dislodged, cut or drilled; and
  - (iii) the first inhalation of asbestos fibres commenced at least five years before the clinical onset of malignant neoplasm of the colorectum; or
- (m) for malignant neoplasm of the colon only,
  - (i) an inability to undertake any physical activity greater than three METs for at least ten consecutive years within the 30 years before the clinical onset of malignant neoplasm of the colorectum; or
  - (ii) having acromegaly before the clinical onset of malignant neoplasm of the colorectum; or
- (n) an inability to consume an average daily intake of 20 grams of fibre in food for a period of at least five consecutive years within the 25 years before the clinical onset of malignant neoplasm of the colorectum; or
- (o) an inability to consume an average daily intake of 150 micrograms of folate in food for a period of at least five consecutive years, where this period commenced at least ten years before the clinical onset of malignant neoplasm of the colorectum; or

- (p) an inability to consume an average daily intake of 100 millilitres of dairy milk for at least five consecutive years within the 25 years before the clinical onset of malignant neoplasm of the colorectum; or
- (q) having diabetes mellitus for at least five years before the clinical onset of malignant neoplasm of the colorectum; or
- (r) inability to obtain appropriate clinical management for malignant neoplasm of the colorectum.

#### **Factors that apply only to material contribution or aggravation**

- 7. Paragraph 6(r) applies only to material contribution to, or aggravation of, malignant neoplasm of the colorectum where the person's malignant neoplasm of the colorectum 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:

**"alcohol"** is measured by the alcohol consumption calculations utilising the Australian Standard of 10 grams of alcohol per standard alcoholic drink;

**"being obese"** means an increase in body weight by way of fat accumulation which results in a Body Mass Index (BMI) of thirty 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 malignant neoplasm of the colorectum"** in relation to a person includes death from a terminal event or condition that was contributed to by the person's malignant neoplasm of the colorectum;

**"fibre in food"** means complex carbohydrates of plant origin consumed as vegetables, fruits or cereals which resist digestion by gastrointestinal enzymes

in the gastrointestinal tract, and include plant cell walls and non-starch polysaccharides from sources other than cell walls, including cellulose and pectins;

**"folate in food"** means a B group vitamin found in natural foods, which consists of a family of monoglutamates or polyglutamates of pteric acid that is used in DNA methylation, synthesis and repair;

**"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;

**"malignant neoplasm of the colon"** means a primary malignant neoplasm arising from the epithelial cells of the colon. Anatomically the colon is defined as extending from the caecum, including the ileocaecal junction, to the sigmoid colon, not including the rectosigmoid junction. This definition of malignant neoplasm of the colon excludes soft tissue sarcoma, carcinoid tumour, non-Hodgkin's lymphoma and Hodgkin's lymphoma;

**"MET"** means a unit of measurement of the level of physical exertion. 1 MET = 3.5 ml of oxygen/kg of body weight per minute, or 1.0 kcal/kg of body weight per hour, or resting metabolic rate;

**"pack-years of cigarettes, or the equivalent thereof in other tobacco products"** means a calculation of consumption where one pack-year of cigarettes equals twenty tailor-made cigarettes per day for a period of one calendar year, or 7300 cigarettes. One tailor-made cigarette approximates one gram of tobacco or one gram of cigar or pipe tobacco by weight. One pack-year of tailor-made cigarettes equates to 7.3 kilograms of smoking tobacco by weight. Tobacco products means either cigarettes, pipe tobacco or cigars, smoked alone or in any combination;

**"processed meat product"** means preserved or cured meats, including ham, frankfurters, salami and bacon;

**"red meat"** means beef, veal, pork, lamb or mutton;

**"relevant service"** means:

- (a) operational service under the VEA;
- (b) peacekeeping service under the VEA;
- (c) hazardous service under the VEA;
- (d) British nuclear test defence service under the VEA;
- (e) warlike service under the MRCA; or
- (f) non-warlike 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

