

REVOKED

Determination

of

Statement of Principles concerning

CARPAL TUNNEL SYNDROME

ICD CODE: 354.0

Veterans' Entitlements Act 1986

1. This Statement of Principles is determined by the Repatriation Medical Authority under subsection **196B(2)** of the *Veterans' Entitlements Act 1986* (the Act).

Kind of injury, disease or death

2. (a) This Statement of Principles is about **carpal tunnel syndrome** and **death from carpal tunnel syndrome**.

(b) For the purposes of this Statement of Principles, "**carpal tunnel syndrome**" means an entrapment neuropathy of the median nerve at the wrist producing paresthesias and weakness of the hand, attracting ICD code 354.0.

Basis for determining the factors

3. The Repatriation Medical Authority is of the view that there is sound medical-scientific evidence that indicates that **carpal tunnel syndrome** can be related to relevant service rendered by veterans, members of Peacekeeping Forces, or members of the Forces.

Factors that must be related to service

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

Factors

5. The factors that must as a minimum exist before it can be said that a reasonable hypothesis has been raised connecting **carpal tunnel syndrome** or **death from carpal tunnel syndrome** with the circumstances of a person's relevant service are:
- (a) performing repetitive activities with the affected hand for an average of at least a quarter of the time spent working over a continuous period of at least 90 days part of which is within the 30 days immediately before the clinical onset of carpal tunnel syndrome; or
 - (b) permanent daily use of a manual wheelchair at the time of the clinical onset of carpal tunnel syndrome; or
 - (c) performing activities where the affected hand or forearm is directly vibrated for an average of at least a quarter of the time spent working over a continuous period of at least 90 days part of which is within the 30 days immediately before the clinical onset of carpal tunnel syndrome; or
 - (d) suffering an injury to the affected wrist which alters the normal contour of the carpal tunnel or damages the median nerve or flexor tendons within the carpal tunnel within the year immediately before the clinical onset of carpal tunnel syndrome; or
 - (e) suffering a fracture to the affected wrist which alters the normal contour of the carpal tunnel or damages the median nerve or flexor tendons within the carpal tunnel, at any time before the clinical onset of carpal tunnel syndrome; or
 - (f) undergoing surgery to the affected wrist which alters the normal contour of the carpal tunnel or damages the median nerve or flexor tendons within the carpal tunnel within the year immediately before the clinical onset of carpal tunnel syndrome; or
 - (g) the presence of obesity at the time of the clinical onset of carpal tunnel syndrome; or
 - (h) undergoing haemodialysis treatment for a period of at least the year immediately before the clinical onset of carpal tunnel syndrome; or
 - (j) suffering from myxoedema at the time of the clinical onset of carpal tunnel syndrome; or

- (k) suffering from acromegaly before the clinical onset of carpal tunnel syndrome; or
- (m) suffering from amyloidosis at the time of the clinical onset of carpal tunnel syndrome; or
- (n) suffering from rheumatoid arthritis of the affected wrist at the time of the clinical onset of carpal tunnel syndrome; or
- (o) suffering from gout of the affected wrist at the time of the clinical onset of carpal tunnel syndrome; or
- (p) suffering from a space occupying lesion of the affected carpal tunnel at the time of the clinical onset of carpal tunnel syndrome; or
- (q) performing repetitive activities with the affected hand for an average of at least a quarter of the time spent working over a continuous period of at least 90 days part of which is within the 30 days immediately before the clinical worsening of carpal tunnel syndrome; or
- (r) permanent daily use of a manual wheelchair before the clinical worsening of carpal tunnel syndrome; or
- (s) performing activities where the affected hand or forearm is directly vibrated for an average of at least a quarter of the time spent working over a continuous period of at least 90 days part of which is within the 30 days immediately before the clinical worsening of carpal tunnel syndrome; or
- (t) suffering an injury to the affected wrist which alters the normal contour of the carpal tunnel or damages the median nerve or flexor tendons within the carpal tunnel within the year immediately before the clinical worsening of carpal tunnel syndrome; or
- (u) suffering a fracture to the affected wrist which alters the normal contour of the carpal tunnel or damages the median nerve or flexor tendons within the carpal tunnel at any time before the clinical onset of carpal tunnel syndrome; or
- (v) undergoing surgery to the affected wrist which alters the normal contour of the carpal tunnel or damages the median nerve or flexor tendons within the carpal tunnel within the year immediately before the clinical worsening of carpal tunnel syndrome; or

- (w) the presence of obesity at the time of the clinical worsening of carpal tunnel syndrome; or
- (x) undergoing haemodialysis treatment for a period of at least the year immediately before the clinical worsening of carpal tunnel syndrome; or
- (y) suffering from myxoedema at the time of the clinical worsening of carpal tunnel syndrome; or
- (z) suffering from acromegaly before the clinical worsening of carpal tunnel syndrome; or
- (za) suffering from amyloidosis at the time of the clinical worsening of carpal tunnel syndrome; or
- (zb) suffering from rheumatoid arthritis of the affected wrist at the time of the clinical worsening of carpal tunnel syndrome; or
- (zc) suffering from gout of the affected wrist at the time of the clinical worsening of carpal tunnel syndrome; or
- (zd) suffering from a space occupying lesion of the affected carpal tunnel at the time of the clinical worsening of carpal tunnel syndrome; or
- (ze) inability to obtain appropriate clinical management for carpal tunnel syndrome.

Factors that apply only to material contribution or aggravation

6. Paragraphs 5(q) to 5(ze) apply only to material contribution to, or aggravation of, carpal tunnel syndrome where the person's carpal tunnel syndrome was suffered or contracted before or during (but not arising out of) the person's relevant service; paragraph 8(1)(e), 9(1)(e), 70(5)(d) or 70(5A)(d) of the Act refers.

Other definitions

7. For the purposes of this Statement of Principles:

“acromegaly” means a chronic disease of adults due to hyper secretion of the pituitary growth hormone and characterised by enlargement of many parts of the skeleton especially the distal portions, the nose, ears, jaws, fingers and toes, attracting ICD code 253.0;

“amyloidosis” means a group of conditions of diverse causes characterised by the accumulation of insoluble fibrillar proteins (amyloid) in various organs and tissues of the body such that vital function is compromised, attracting ICD code 277.3;

“gout” means a metabolic condition characterised by chronic hyperuricaemia and tissue deposition of urate crystals, and which attracts ICD Code 274;

“haemodialysis treatment” means the removal of certain elements from the blood by virtue of the difference in the rates of their diffusion through a semipermeable membrane by means of a haemodialyzer;

“ICD code” means a number assigned to a particular kind of injury or disease in the Australian Version of The International Classification of Diseases, 9th revision, Clinical Modification (ICD-9-CM), effective date of 1 July 1995, copyrighted by the National Coding Centre, Faculty of Health Sciences, University of Sydney, NSW, and having ISBN 0 642 22235 5;

“myxoedema” means a condition characterised by dry, waxy swelling of the skin and other tissues and associated with primary hypothyroidism, attracting ICD code 244.9;

“obesity” means having a Body Mass Index (BMI) greater than 30, where

$$\text{BMI} = \text{W} \div \text{H}^2$$

and where:

W is the person’s weight in kilograms; and

H is the person’s height in metres.

(for example, a person would be obese if the person weighed 120 kg and was 1.8 metres in height: $\text{BMI} = 120 \div (1.8 \times 1.8) = 37.04$)

Note : the sources for this definition are:

NH & MRC report of the 98th session, Canberra AGPS 1984;

NH & MRC report of the 100th session, Canberra AGPS 1985;

NHF Australia, Risk Factor Prevalence Study Survey 3, Canberra NHF & AIH, 1990.

“permanent daily use of a manual wheelchair” means the manual propulsion of the wheelchair by an individual suffering from a permanent medical condition which interferes with the mobility of the lower limbs, such as spinal cord injury, traumatic brain injury or cerebrovascular disease. It does not refer to the temporary use of a manual wheelchair, such as when recovering from an ankle sprain, or when the manual wheelchair is mostly pushed by an individual other than the individual affected by the permanent medical condition;

“relevant service” means:

- (a) operational service; or
- (b) peacekeeping service; or
- (c) hazardous service.

“rheumatoid arthritis” means a chronic systemic disease primarily of the joints, usually polyarticular, marked by inflammatory changes in the synovial membranes and articular structures, attracting ICD code 714.0;

“space occupying lesion of the affected carpal tunnel” means a lesion which is situated within the affected carpal tunnel such as haemangioma, neuroma of the median nerve, aneurysm of the median artery, calcification, synovial sarcoma, tendon sheath fibroma or lipoma and ganglion.

Dated this *Fourteenth* day of *March* 1996

The Common Seal of the)
Repatriation Medical Authority)
was affixed to this instrument)
in the presence of:)

KEN DONALD
CHAIRMAN