

Department of Veterans Affairs

§ 4.73

THE SPINE—Continued

	Rat- ing
In other cases rate in accordance with definite limited motion or muscle spasm, adding 10 percent for demonstrable deformity of vertebral body. NOTE: Both under ankylosis and limited motion, ratings should not be assigned for more than one segment by reason of involvement of only the first or last vertebrae of an adjacent segment.	
5286 Spine, complete bony fixation (ankylosis) of: Unfavorable angle, with marked deformity and involvement of major joints (Marie-Strumpell type) or without other joint involvement (Bechterew type)	100
Favorable angle	60
5287 Spine, ankylosis of, cervical: Unfavorable	40
Favorable	30
5288 Spine, ankylosis of, dorsal: Unfavorable	30
Favorable	20
5289 Spine, ankylosis of, lumbar: Unfavorable	50
Favorable	40
5290 Spine, limitation of motion of, cervical: Severe	30
Moderate	20
Slight	10
5291 Spine, limitation of motion of, dorsal: Severe	10
Moderate	10
Slight	0
5292 Spine, limitation of motion of, lumbar: Severe	40
Moderate	20
Slight	10
5293 Intervertebral disc syndrome: Pronounced; with persistent symptoms compatible with sciatic neuropathy with characteristic pain and demonstrable muscle spasm, absent ankle jerk, or other neurological findings appropriate to site of diseased disc, little intermittent relief	60
Severe; recurring attacks, with intermittent relief	40
Moderate; recurring attacks	20
Mild	10
Postoperative, cured	0
5294 Sacro-iliac injury and weakness:	
5295 Lumbosacral strain: Severe; with listing of whole spine to opposite side, positive Goldthwaite's sign, marked limitation of forward bending in standing position, loss of lateral motion with osteo-arthritic changes, or narrowing or irregularity of joint space, or some of the above with abnormal mobility on forced motion	40
With muscle spasm on extreme forward bending, loss of lateral spine motion, unilateral, in standing position	20
With characteristic pain on motion	10
With slight subjective symptoms only	0

THE SKULL

	Rat- ing
5296 Skull, loss of part of, both inner and outer tables:	

THE SKULL—Continued

	Rat- ing
With brain hernia	80
Without brain hernia:	
Area larger than size of a 50-cent piece or 1.140 in ² (7.355 cm ²)	50
Area intermediate	30
Area smaller than the size of a 25-cent piece or 0.716 in ² (4.619 cm ²)	10
NOTE: Rate separately for intracranial complications.	

THE RIBS

	Rat- ing
5297 Ribs, removal of:	
More than six	50
Five or six	40
Three or four	30
Two	20
One or resection of two or more ribs without regeneration	10
NOTE (1): The rating for rib resection or removal is not to be applied with ratings for purulent pleurisy, lobectomy, pneumonectomy or injuries of pleural cavity.	
NOTE (2): However, rib resection will be considered as rib removal in thoracoplasty performed for collapse therapy or to accomplish obliteration of space and will be combined with the rating for lung collapse, or with the rating for lobectomy, pneumonectomy or the graduated ratings for pulmonary tuberculosis.	

THE COCCYX

	Rat- ing
5298 Coccyx, removal of:	
Partial or complete, with painful residuals	10
Without painful residuals	0

[29 FR 6718, May 22, 1964, as amended at 34 FR 5062, Mar. 11, 1969; 40 FR 42536, Sept. 15, 1975; 41 FR 11294, Mar. 18, 1976; 43 FR 45350, Oct. 2, 1978; 51 FR 6411, Feb. 24, 1986; 61 FR 20439, May 7, 1996]

§ 4.72 [Reserved]

§ 4.73 Schedule of ratings—muscle injuries.

NOTE: When evaluating any claim involving muscle injuries resulting in loss of use of any extremity or loss of use of both buttocks (diagnostic code 5317, Muscle Group XVII), refer to §3.350 of this chapter to determine whether the veteran may be entitled to special monthly compensation.

THE SHOULDER GIRDLE AND ARM

THE FOREARM AND HAND

	Rating	
	Domi- nant	Non- domi- nant
5301 Group I. <i>Function:</i> Upward rotation of scapula; elevation of arm above shoulder level. <i>Extrinsic muscles of shoulder girdle:</i> (1) Trapezius; (2) levator scapulae; (3) serratus magnus.		
Severe	40	30
Moderately Severe	30	20
Moderate	10	10
Slight	0	0
5302 Group II. <i>Function:</i> Depression of arm from vertical overhead to hanging at side (1, 2); downward rotation of scapula (3, 4); 1 and 2 act with Group III in forward and backward swing of arm. <i>Extrinsic muscles of shoulder girdle:</i> (1) <i>Pectoralis major II</i> (costosternal); (2) <i>latissimus dorsi</i> and <i>teres major</i> (<i>teres major</i> , although technically an intrinsic muscle, is included with <i>latissimus dorsi</i>); (3) <i>pectoralis minor</i> ; (4) <i>rhomboid</i> .		
Severe	40	30
Moderately Severe	30	20
Moderate	20	20
Slight	0	0
5303 Group III. <i>Function:</i> Elevation and abduction of arm to level of shoulder; act with 1 and 2 of Group II in forward and backward swing of arm. <i>Intrinsic muscles of shoulder girdle:</i> (1) <i>Pectoralis major I</i> (clavicular); (2) <i>deltoid</i> .		
Severe	40	30
Moderately Severe	30	20
Moderate	20	20
Slight	0	0
5304 Group IV. <i>Function:</i> Stabilization of shoulder against injury in strong movements, holding head of humerus in socket; abduction; outward rotation and inward rotation of arm. <i>Intrinsic muscles of shoulder girdle:</i> (1) <i>Supraspinatus</i> ; (2) <i>infraspinatus</i> and <i>teres minor</i> ; (3) <i>subscapularis</i> ; (4) <i>coracobrachialis</i> .		
Severe	30	20
Moderately Severe	20	20
Moderate	10	10
Slight	0	0
5305 Group V. <i>Function:</i> Elbow supination (1) (long head of biceps is stabilizer of shoulder joint); flexion of elbow (1, 2, 3). <i>Flexor muscles of elbow:</i> (1) <i>Biceps</i> ; (2) <i>brachialis</i> ; (3) <i>brachioradialis</i> .		
Severe	40	30
Moderately Severe	30	20
Moderate	10	10
Slight	0	0
5306 Group VI. <i>Function:</i> Extension of elbow (long head of triceps is stabilizer of shoulder joint). <i>Extensor muscles of the elbow:</i> (1) <i>Triceps</i> ; (2) <i>anconeus</i> .		
Severe	40	30
Moderately Severe	30	20
Moderate	10	10
Slight	0	0

	Rating	
	Domi- nant	Non- domi- nant
5307 Group VII. <i>Function:</i> Flexion of wrist and fingers. <i>Muscles arising from internal condyle of humerus:</i> Flexors of the carpus and long flexors of fingers and thumb; pronator.		
Severe	40	30
Moderately Severe	30	20
Moderate	10	10
Slight	0	0
5308 Group VIII. <i>Function:</i> Extension of wrist, fingers, and thumb; abduction of thumb. <i>Muscles arising mainly from external condyle of humerus:</i> Extensors of carpus, fingers, and thumb; supinator.		
Severe	30	20
Moderately Severe	20	20
Moderate	10	10
Slight	0	0
5309 Group IX. <i>Function:</i> The forearm muscles act in strong grasping movements and are supplemented by the intrinsic muscles in delicate manipulative movements. <i>Intrinsic muscles of hand:</i> Thenar eminence; short flexor, opponens, abductor and adductor of thumb; hypothenar eminence; short flexor, opponens and abductor of little finger; 4 lumbricales; 4 dorsal and 3 palmar interossei.		
NOTE: The hand is so compact a structure that isolated muscle injuries are rare, being nearly always complicated with injuries of bones, joints, tendons, etc. Rate on limitation of motion, minimum 10 percent.		

THE FOOT AND LEG

	Rating
5310 Group X. <i>Function:</i> Movements of forefoot and toes; propulsion thrust in walking. <i>Intrinsic muscles of the foot:</i> <i>Plantar:</i> (1) <i>Flexor digitorum brevis</i> ; (2) <i>abductor hallucis</i> ; (3) <i>abductor digiti minimi</i> ; (4) <i>quadratus plantae</i> ; (5) <i>lumbricales</i> ; (6) <i>flexor hallucis brevis</i> ; (7) <i>adductor hallucis</i> ; (8) <i>flexor digiti minimi brevis</i> ; (9) <i>dorsal and plantar interossei</i> . Other important plantar structures: <i>Plantar aponeurosis</i> , long <i>plantar</i> and <i>calcaneonavicular</i> ligament, tendons of posterior <i>tibial</i> , <i>peroneus longus</i> , and long flexors of great and little toes.	
Severe	30
Moderately Severe	20
Moderate	10
Slight	0
<i>Dorsal:</i> (1) <i>Extensor hallucis brevis</i> ; (2) <i>extensor digitorum brevis</i> . Other important dorsal structures: <i>cruciate</i> , <i>crural</i> , <i>deltoid</i> , and other ligaments; tendons of long extensors of toes and <i>peronei</i> muscles.	
Severe	20
Moderately Severe	10
Moderate	10
Slight	0

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THE FOOT AND LEG—Continued

	Rat- ing
NOTE: Minimum rating for through-and-through wounds of the foot—10.	
5311 Group XI. <i>Function:</i> Propulsion, plantar flexion of foot (1); stabilization of arch (2, 3); flexion of toes (4, 5); Flexion of knee (6). <i>Posterior and lateral crural muscles, and muscles of the calf:</i> (1) Triceps surae (gastrocnemius and soleus); (2) tibialis posterior; (3) peroneus longus; (4) peroneus brevis; (5) flexor hallucis longus; (6) flexor digitorum longus; (7) popliteus; (8) plantaris.	
Severe	30
Moderately Severe	20
Moderate	10
Slight	0
5312 Group XII. <i>Function:</i> Dorsiflexion (1); extension of toes (2); stabilization of arch (3). <i>Anterior muscles of the leg:</i> (1) Tibialis anterior; (2) extensor digitorum longus; (3) extensor hallucis longus; (4) peroneus tertius.	
Severe	30
Moderately Severe	20
Moderate	10
Slight	0

THE PELVIC GIRDLE AND THIGH

	Rat- ing
5313 Group XIII. <i>Function:</i> Extension of hip and flexion of knee; outward and inward rotation of flexed knee; acting with rectus femoris and sartorius (see XIV, 1, 2) synchronizing simultaneous flexion of hip and knee and extension of hip and knee by belt-over-pulley action at knee joint. <i>Posterior thigh group, Hamstring complex of 2-joint muscles:</i> (1) Biceps femoris; (2) semimembranosus; (3) semitendinosus.	
Severe	40
Moderately Severe	30
Moderate	10
Slight	0
5314 Group XIV. <i>Function:</i> Extension of knee (2, 3, 4, 5); simultaneous flexion of hip and flexion of knee (1); tension of fascia lata and iliotibial (Maissiat's) band, acting with XVII (1) in postural support of body (6); acting with hamstrings in synchronizing hip and knee (1, 2). <i>Anterior thigh group:</i> (1) Sartorius; (2) rectus femoris; (3) vastus externus; (4) vastus intermedius; (5) vastus internus; (6) tensor vaginae femoris.	
Severe	40
Moderately Severe	30
Moderate	10
Slight	0
5315 Group XV. <i>Function:</i> Adduction of hip (1, 2, 3, 4); flexion of hip (1, 2); flexion of knee (4). <i>Mesial thigh group:</i> (1) Adductor longus; (2) adductor brevis; (3) adductor magnus; (4) gracilis.	
Severe	30
Moderately Severe	20
Moderate	10
Slight	0
5316 Group XVI. <i>Function:</i> Flexion of hip (1, 2, 3). <i>Pelvic girdle group 1:</i> (1) Psoas; (2) iliacus; (3) pectineus.	
Severe	40
Moderately Severe	30
Moderate	10
Slight	0

THE PELVIC GIRDLE AND THIGH—Continued

	Rat- ing
5317 Group XVII. <i>Function:</i> Extension of hip (1); abduction of thigh; elevation of opposite side of pelvis (2, 3); tension of fascia lata and iliotibial (Maissiat's) band, acting with XIV (6) in postural support of body steadying pelvis upon head of femur and condyles of femur on tibia (1). <i>Pelvic girdle group 2:</i> (1) Gluteus maximus; (2) gluteus medius; (3) gluteus minimus.	
Severe	*50
Moderately Severe	40
Moderate	20
Slight	0
5318 Group XVIII. <i>Function:</i> Outward rotation of thigh and stabilization of hip joint. <i>Pelvic girdle group 3:</i> (1) Piriformis; (2) gemellus (superior or inferior); (3) obturator (external or internal); (4) quadratus femoris.	
Severe	30
Moderately Severe	20
Moderate	10
Slight	0

*If bilateral, see § 3.350(a)(3) of this chapter to determine whether the veteran may be entitled to special monthly compensation.

THE TORSO AND NECK

	Rat- ing
5319 Group XIX. <i>Function:</i> Support and compression of abdominal wall and lower thorax; flexion and lateral motions of spine; synergists in strong downward movements of arm (1). <i>Muscles of the abdominal wall:</i> (1) Rectus abdominis; (2) external oblique; (3) internal oblique; (4) transversalis; (5) quadratus lumborum.	
Severe	50
Moderately Severe	30
Moderate	10
Slight	0
5320 Group XX. <i>Function:</i> Postural support of body; extension and lateral movements of spine. <i>Spinal muscles:</i> Sacrospinalis (erector spinae and its prolongations in thoracic and cervical regions).	
<i>Cervical and thoracic region:</i>	
Severe	40
Moderately Severe	20
Moderate	10
Slight	0
<i>Lumbar region:</i>	
Severe	60
Moderately Severe	40
Moderate	20
Slight	0
5321 Group XXI. <i>Function:</i> Respiration. <i>Muscles of respiration:</i> Thoracic muscle group.	
Severe or Moderately Severe	20
Moderate	10
Slight	0
5322 Group XXII. <i>Function:</i> Rotary and forward movements of the head; respiration; deglutition. <i>Muscles of the front of the neck:</i> (Lateral, supra-, and infrahyoid group.) (1) Trapezius I (clavicular insertion); (2) sternocleidomastoid; (3) the "hyoid" muscles; (4) sternothyroid; (5) digastric.	
Severe	30
Moderately Severe	20
Moderate	10
Slight	0

THE TORSO AND NECK—Continued

	Rat- ing
5323 Group XXIII. <i>Function:</i> Movements of the head; fixation of shoulder movements. <i>Muscles of the side and back of the neck:</i> Suboccipital; lateral vertebral and anterior vertebral muscles.	
Severe	30
Moderately Severe	20
Moderate	10
Slight	0

MISCELLANEOUS

	Rat- ing
5324 Diaphragm, rupture of, with herniation. Rate under diagnostic code 7346.	
5325 Muscle injury, facial muscles. Evaluate functional impairment as seventh (facial) cranial nerve neuropathy (diagnostic code 8207), disfiguring scar (diagnostic code 7800), etc. Minimum, if interfering to any extent with mastication—10.	
5326 Muscle hernia, extensive. Without other injury to the muscle—10.	
5327 Muscle, neoplasm of, malignant (excluding soft tissue sarcoma)—100.	
NOTE: A rating of 100 percent shall continue beyond the cessation of any surgery, radiation treatment, antineoplastic chemotherapy or other therapeutic procedures. Six months after discontinuance of such treatment, the appropriate disability rating shall be determined by mandatory VA examination. Any change in evaluation based upon that or any subsequent examination shall be subject to the provisions of §3.105(e) of this chapter. If there has been no local recurrence or metastasis, rate on residual impairment of function.	
5328 Muscle, neoplasm of, benign, postoperative. Rate on impairment of function, i.e., limitation of motion, or scars, diagnostic code 7805, etc.	
5329 Sarcoma, soft tissue (of muscle, fat, or fibrous connective tissue)—100.	
NOTE: A rating of 100 percent shall continue beyond the cessation of any surgery, radiation treatment, antineoplastic chemotherapy or other therapeutic procedures. Six months after discontinuance of such treatment, the appropriate disability rating shall be determined by mandatory VA examination. Any change in evaluation based upon that or any subsequent examination shall be subject to the provisions of §3.105(e) of this chapter. If there has been no local recurrence or metastasis, rate on residual impairment of function.	

(Authority: 38 U.S.C. 1155)

[62 FR 30239, June 3, 1997]

THE ORGANS OF SPECIAL SENSE

§ 4.75 Examination of visual acuity.

Ratings on account of visual impairments considered for service connection are, when practicable, to be based only on examination by specialists. Such special examinations should include uncorrected and corrected cen-

tral visual acuity for distance and near, with record of the refraction. Snellen's test type or its equivalent will be used. Mydriatics should be routine, except when contraindicated. Funduscopic and ophthalmological findings must be recorded. The best distant vision obtainable after best correction by glasses will be the basis of rating, except in cases of keratoconus in which contact lenses are medically required. Also, if there exists a difference of more than 4 diopters of spherical correction between the two eyes, the best possible visual acuity of the poorer eye without glasses, or with a lens of not more than 4 diopters difference from that used with the better eye will be taken as the visual acuity of the poorer eye. When such a difference exists, close attention will be given to the likelihood of congenital origin in mere refractive error.

[40 FR 42537, Sept. 15, 1975]

§ 4.76 Examination of field vision.

Measurement of the visual field will be made when there is disease of the optic nerve or when otherwise indicated. The usual perimetric methods will be employed, using a standard perimeter and 3 mm. white test object. At least 16 meridians 22½ degrees apart will be charted for each eye. (See Figure 1. For the 8 principal meridians, see table III.) The charts will be made a part of the report of examination. Not less than 2 recordings, and when possible, 3 will be made. The minimum limit for this function is established as a concentric central contraction of the visual field to 5°. This type of contraction of the visual field reduces the visual efficiency to zero. Where available the examination for form field should be supplemented, when indicated, by the use of tangent screen or campimeter. This last test is especially valuable in detection of scotoma.

[43 FR 45352, Oct. 2, 1978]

§ 4.76a Computation of average concentric contraction of visual fields.

The extent of contraction of visual field in each eye is determined by recording the extent of the remaining visual fields in each of the eight 45 degree principal meridians. The number