

WPI – 0% - 100%

From Chapter 1, page 5 of the AMA Guides:

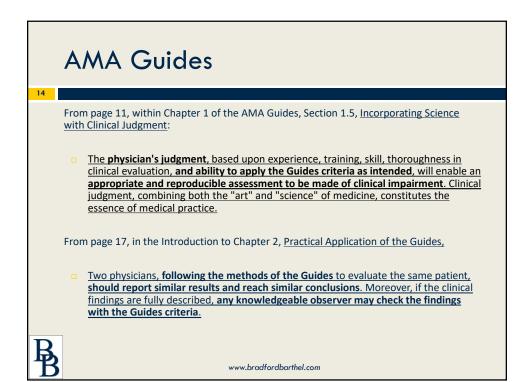
A 0% whole person (WP) impairment rating is assigned to an individual with an impairment if the impairment has no significant organ or body system functional consequences and does not limit the performance of the common activities of daily living indicated in Table 1-2. A 90% to 100% WP impairment indicates a very severe organ or body system impairment requiring the individual to be fully dependent on others for self-care, approaching death.

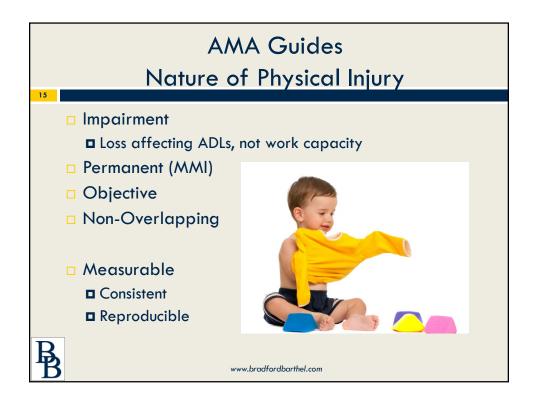


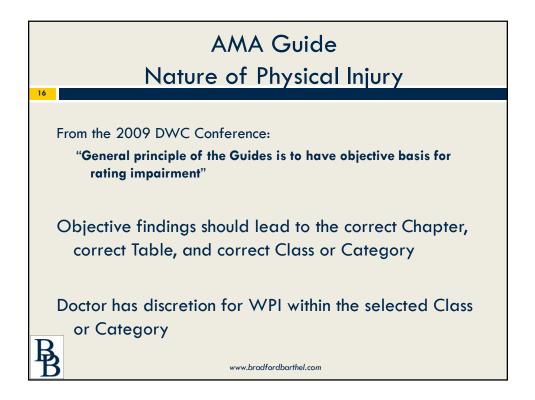
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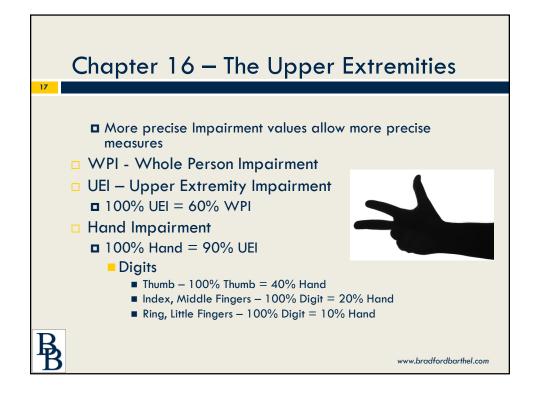
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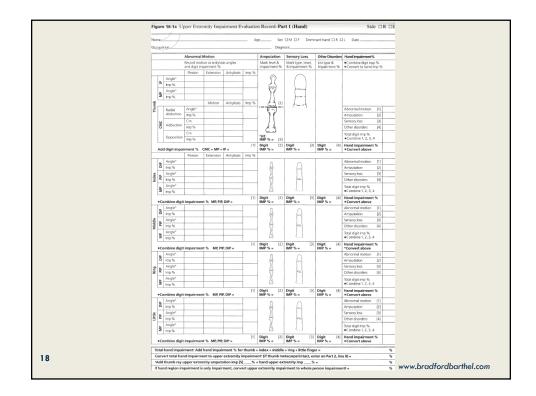
| NAMES OF TAXABLE PARTY OF TAXABLE PARTY. | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| in Activit | of Daily Living Commonly Measured ies of Daily Living (ADL) and ntal Activities of Daily Living icales ^{6,7} |
| Activity | Example |
| Self-care, personal hygiene | Urinating, defecating, brushing teeth, combing hair, bathing, dressing oneself, eating |
| Communication | Writing, typing, seeing, hearing, speaking |
| Physical activity | Standing, sitting, reclining, walking, climbing stairs |
| Sensory function | Hearing, seeing, tactile feeling, tasting, smelling |
| Nonspecialized hand activities | Grasping, lifting, tactile discrimination |
| Travel | Riding, driving, flying |
| Sexual function | Orgasm, ejaculation, lubrication, erection |
| Sleep | Restful, nocturnal sleep pattern |

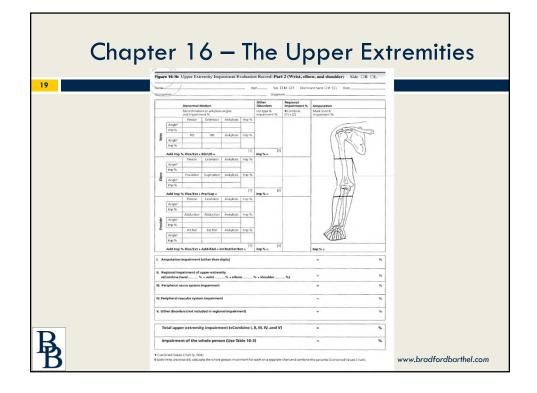




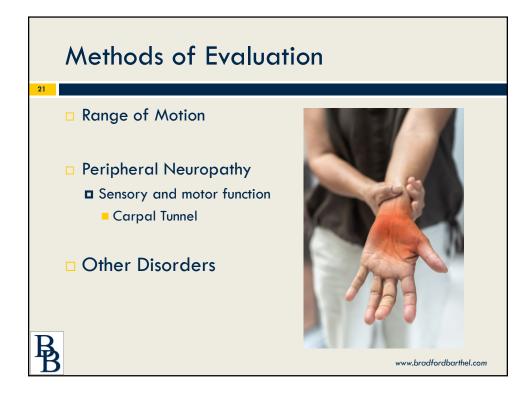


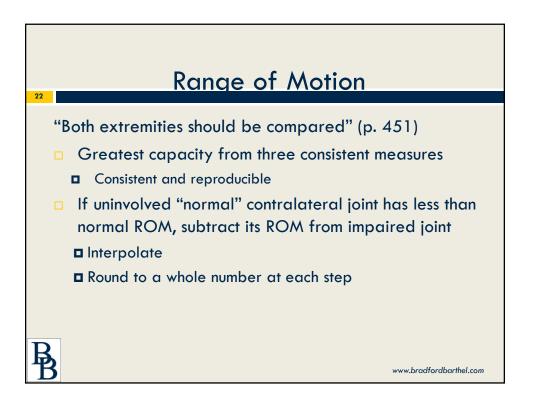


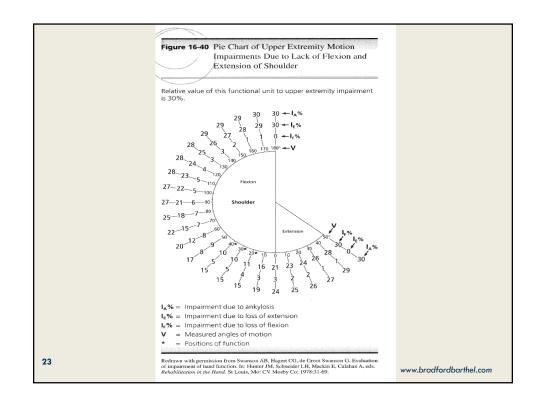


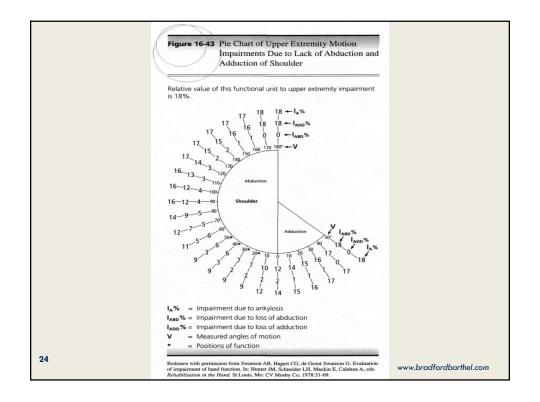


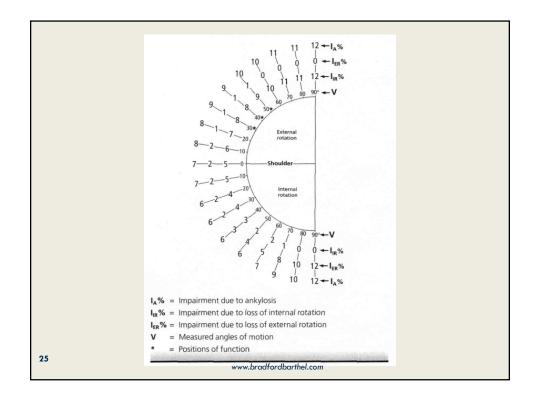
| | ment of the Hand* | | |
|------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--|
| % Impairment of Thumb Hand | % Impairment of Index or Middle Finger Hand | % Impairment of Ring or Little Finger Hand | |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 0 - 4 = 0 5 - 14 = 1 15 - 24 = 2 25 - 34 = 3 35 - 54 = 3 55 - 64 = 6 65 - 74 = 7 75 - 84 = 8 88 - 90 = 10 95 - 100 = 10 | |

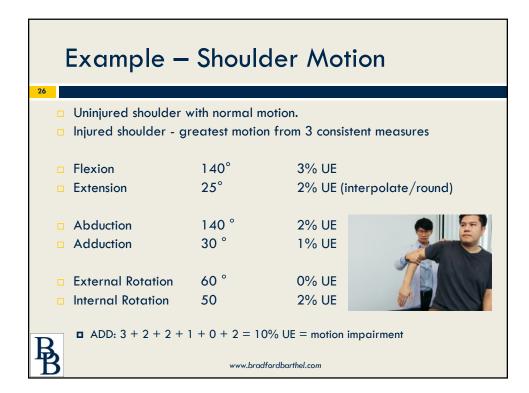


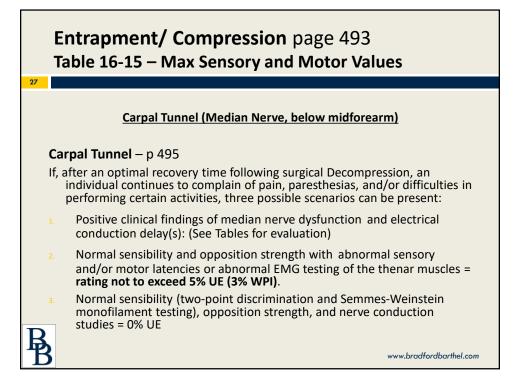




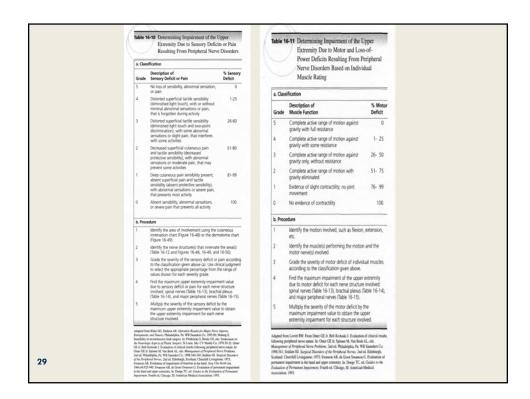


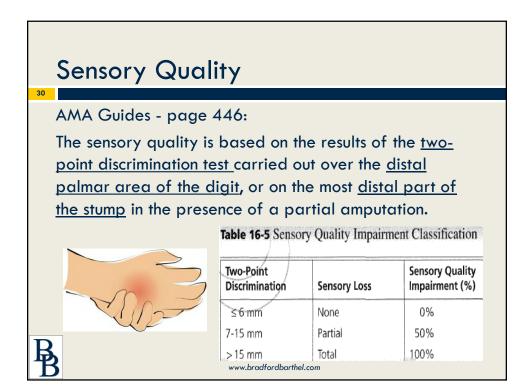


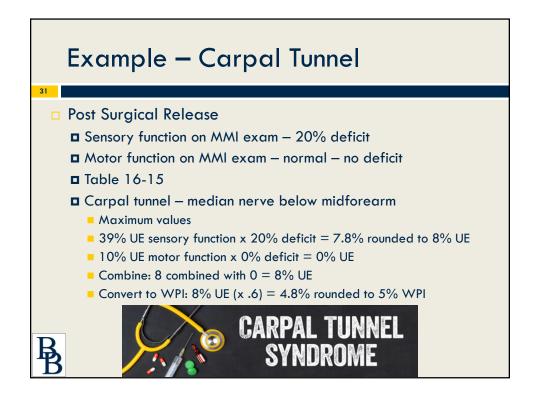


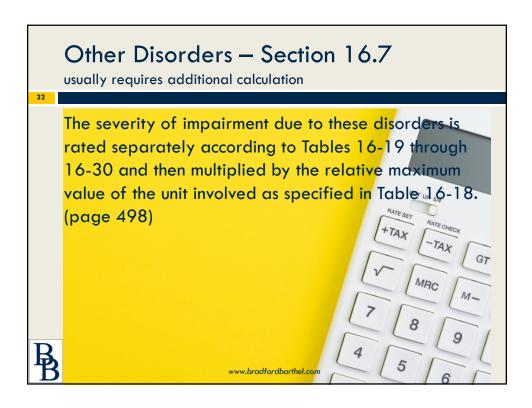


| and the second se | | | |
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| | | | |
| Table 16-15 Maximum Upper Extremity In Deficits of the Major Peripher | | ensory or Motor Deh | cits or to Combined 100% |
| | | | |
| | Maximum % Upper Extrem | mity Impairment Due to | |
| Nerve | Sensory Deficit or Pain * | Motor Deficitt | Combined Motor and Sensory Deficits |
| Pectorals (medial and lateral) | 0 | 5 | 5 |
| Axillary | 5 | 35 | 38 |
| Dorsal scapular | 0 | 5 | 5 |
| Long thoracic | 0 | 15 | 15 |
| Medial antebrachial cutaneous | 5 | 0 | 5 |
| Medial brachial cutaneous | 5 | 0 | 5 |
| Median (above midforearm) | 39 | 44 | 66 |
| Median (anterior interosseous branch) | 0 | 15 | 15 |
| Median (below midforearm) Racial palmar digital of thumb Ulnar palmar digital of thumb Radial palmar digital of index finger Ulnar palmar digital of index finger Radial palmar digital of middle finger Ulnar palmar digital of middle finger Radial palmar digital of ring finger | 39 7 11 5 4 5 4 3 | | 45 7 11 5 4 5 4 3 |
| Musculocutaneous | 5 | 25 | 29 |
| Radial (upper arm with loss of triceps) | 5 | 42 | 45 |
| Radial (elbow with sparing of triceps) | 5 | 35 | 38 |
| Subscapulars (upper and lower) | 0 | 5 | 5 |
| Suprascapular | 5 | 16 | . 20 |
| Thoracodorsal | 0 | 10 | 10 |
| Ulnar (above midforearm) | 7 | 46 | 50 |
| Ulnar (below midforearm) Ulnar palmar digital of ring finger Radial palmar digital of little finger Ulnar palmar digital of little finger | 7 2 2 3 | 35 0 0 0 | 40 2 2 3 |
| See Table 16-10a to grade sensory deficits or pain. See Table 16-11a to grade motor deficits. | | | |
| * From Swanson AB, de Groot Swanson G. Evaluation of permaner Fourth ed. Chicago, Ill: American Medical Association; 1993. | st impairment in the hand and upper extremity. In | : Doege 1C, ed. Guides to the Ev | autation of Permanent Impairment. |

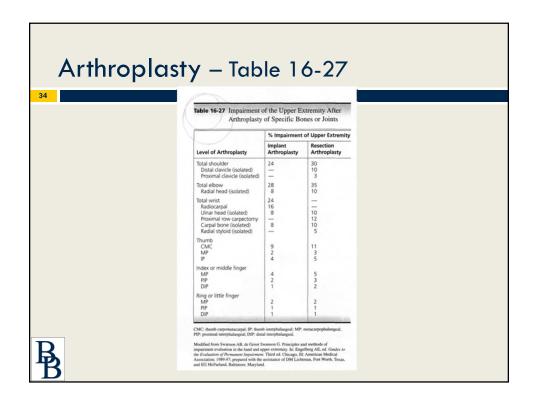


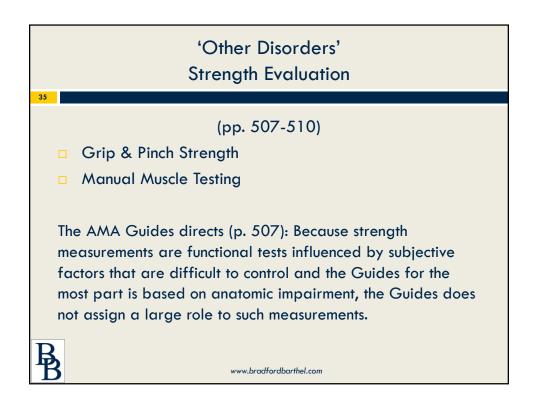


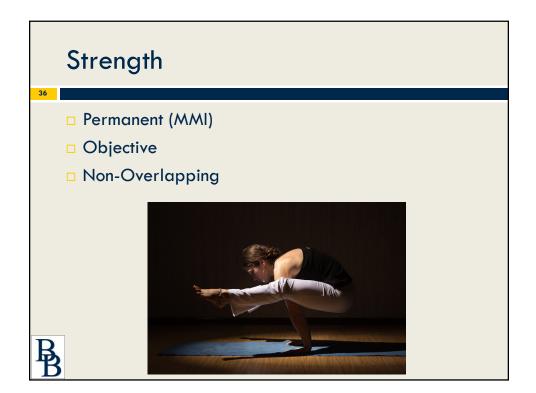


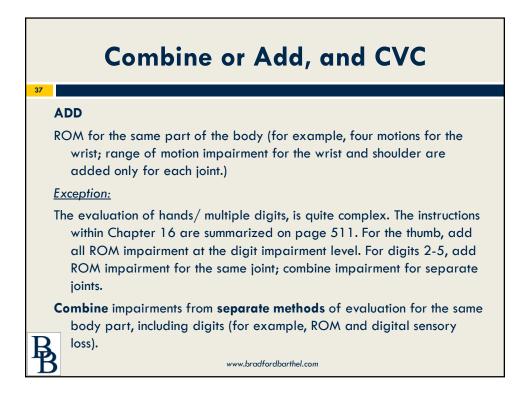


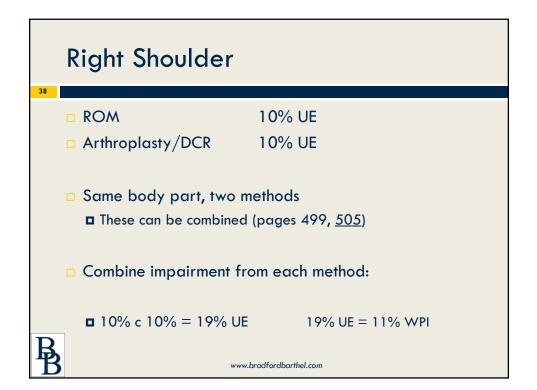
| Section 16 | .7 – | "(| Dt | he | er l | Disorders' | |
|------------|----------------------------------------------------------------------------------|-----------------------|---------------------|--------------------------------------------|----------------------|------------|--|
| | | | | | | | |
| | | | | | | | |
| | | Wrist, Ê | lbow, and | alues for the Shoulder I nts or Unit | Due to | | |
| | | | % Imp | airment of | | | |
| | Units and Joints | Unit | Hand | Upper Extremity | Whole Person | | |
| | Shoulder Glenohumeral Acromioclavicular Sternoclavicular | = | Ξ | 60 25 5 | 36 15 3 | | |
| | Elbow Entire elbow Uinohumeral Proximal radioulnar | Ξ | Ξ | 70 50 20 | 42 30 12 | | |
| | Wrist Entire wrist Radiocarpal Distal radioulnar Proximal carpal row | = | _ | 60 40 20 30 | 36 24 12 18 | | |
| | Entire hand | - | 100 | 90 | 54 | | |
| | Thumb Entire thumb CMC MP IP | 100 60 15 25 | 40 24 6 10 | 36 22 5 9 | 22 13 3 5 | | |
| | Index and middle Entire finger MP PIP DIP | 100 50 30 20 | 20 10 6 4 | 18 9 5 4 | 11 5 3 2 | | |
| | Ring or little Entire finger MP PIP DIP | 100 50 30 20 | 10 5 3 2 | 9 5 3 2 | 5 3 2 1 | | |
| | *Each value is related to the n | est larger wai | ts and the whole | a parson | | | |
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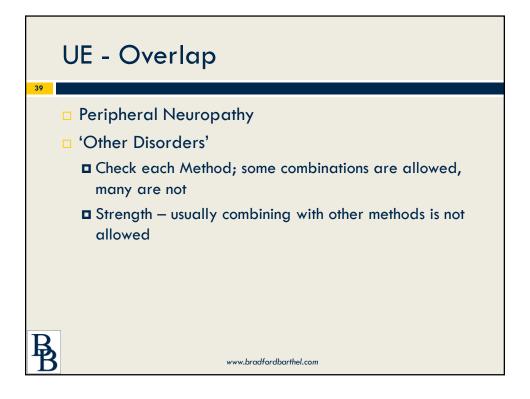


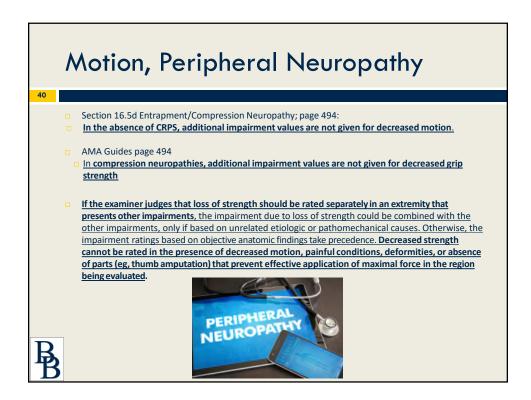


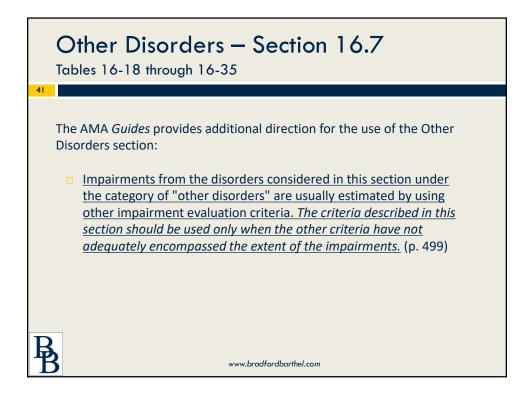


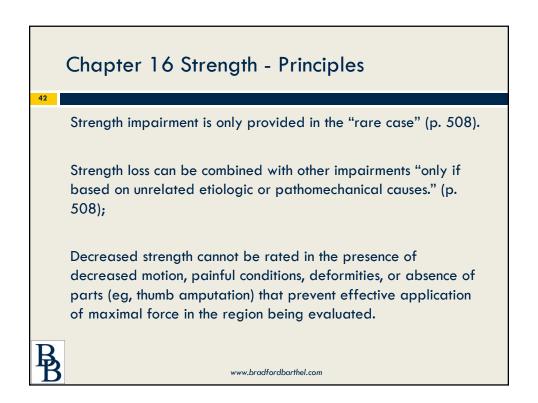


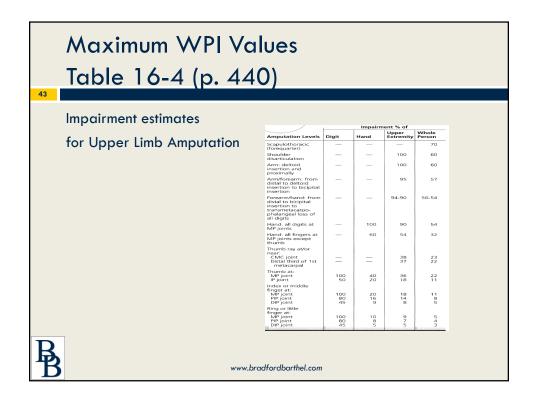


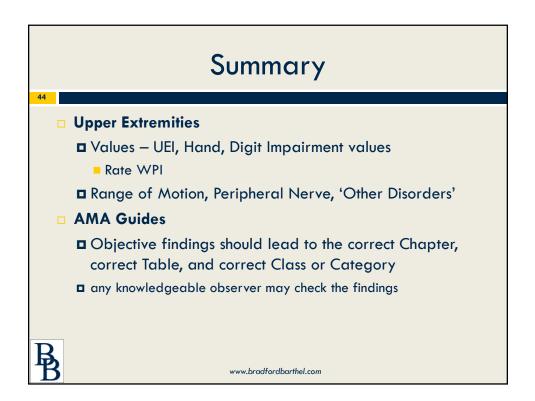


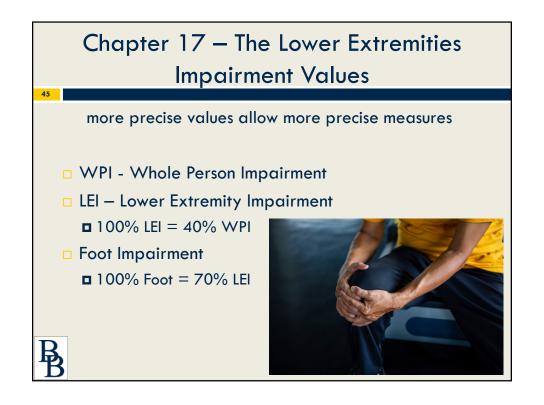




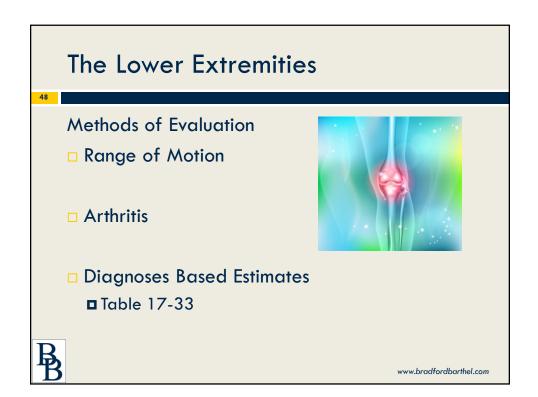


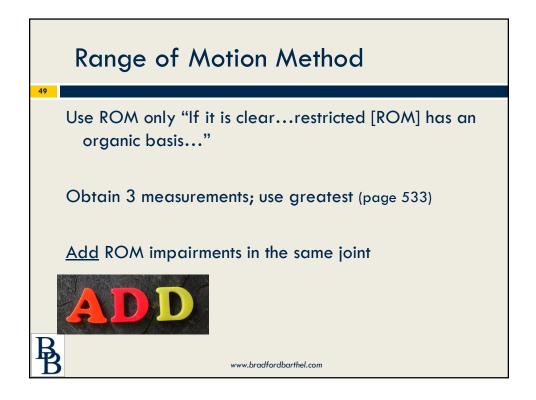


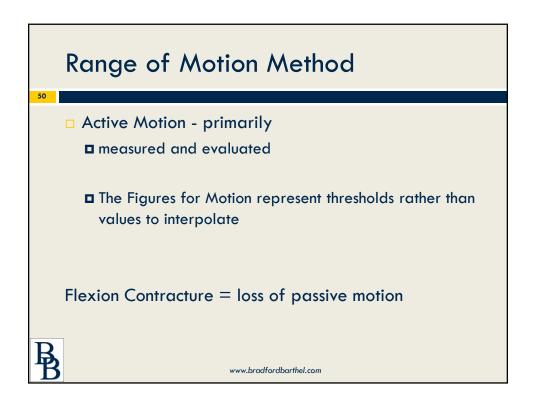


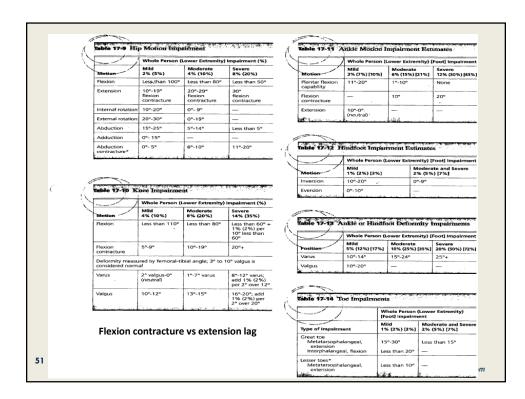


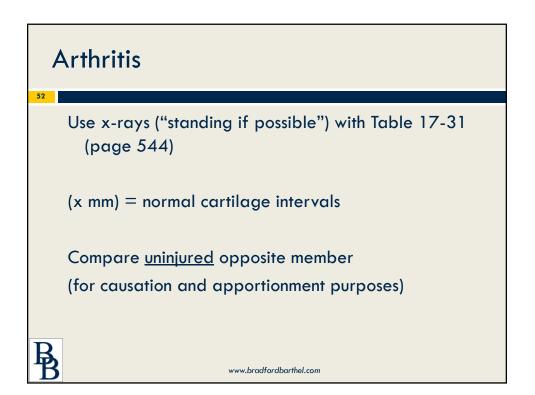
| | Limb Length Discrepancy | Gait Derangement | Muscle Atrophy | Muscle Strength | ROM Ankylosis | Arthritis (DJD) | Amputation | Diagnosis- Based Esti- mates (DBE) | Skin Loss | Poriphoral Nerve Injury | Complex Regional Pain Syndrome (CRPS) | Vascular |
|------------------------------------------------|-------------------------------|---------------------------------------|-------------------|--------------------|------------------|--------------------|------------|------------------------------------------|-----------|----------------------------|------------------------------------------------|----------|
| Limb Length Discrepancy | | × | | | | | × | | | | | |
| Gait Derangement | х | | x | × | × | x | × | × | х | х | x | × |
| Muscle Atrophy | | × | | x | × | х | × | x | | x | x | |
| Musde Strength | | × | х | | × | x | | × | | × | 0 | |
| ROM Ankylosis | | × | x | × | | x | | x | | | 0 | |
| Arthritis (DJD) | | × | x. | × | × | | | - | | | | |
| Amputation | х | x | х | × | | | | | | | | |
| Diagnosis- Based Esti- mates (DBE) | | × | x. | × | x | | | | | | | |
| Skin Loss | | × | | | | | | | | | | |
| Peripheral Nerve Injury | | × | х | × | | | | | | | × | |
| Complex Regional Pain Syndrome (CRPS) | | x | × | . 0 | 0 | | | | | × | | x |
| Vascular | Lincolaria | x | | . And the second | | | | nimiero | alia di a | | x | |
| | | is together for ev for CRPS of the | | | it. | | | | | | | |



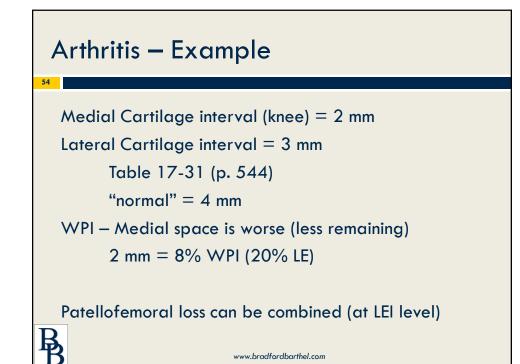


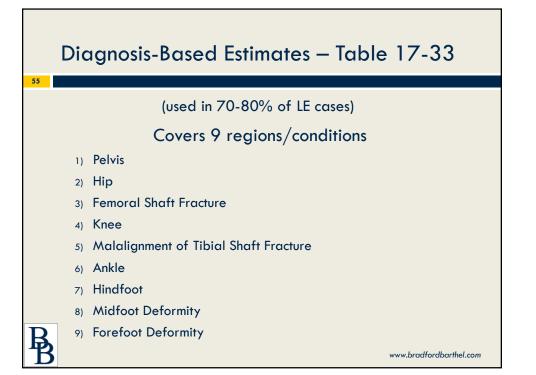






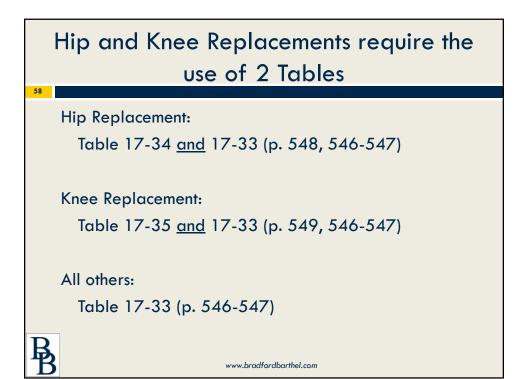
| Table | | | rments Ba hically De | | |
|-------|------------------------------|----------------------|-------------------------|-------------|--------------|
| | | Whole Pe Impairme | Foot] | | |
| | | Cartilage | | | |
| | Joint | 3 mm | 2 mm | 1 mm | 0 mm |
| | Sacroiliac (3 mm)* | - | 1 (2) | 3 (7) | 3 (7) |
| | Hip (4 mm) | 3 (7) | 8 (20) | 10 (25) | 20 (50) |
| | Knee (4 mm) | 3 (7) | 8 (20) | 10 (25) | 20 (50) |
| | Patellofemoral† | - | 4 (10) | 6 (15) | 8 (20) |
| | Ankle (4 mm) | 2 (5) [7] | 6 (15) [21] | 8 (20) [28] | 12 (30) [43] |
| | Subtalar (3 mm) | _ | 2 (5) [7] | 6 (15) [21] | 10 (25) [35] |
| | Talonavicular (2-3 mm) | | - | 4 (10) [14] | 8 (20) [28] |
| | Calcaneocuboid | | _ | 4 (10) [14] | 8 (20) [28] |
| | First metatarsophalangeal | - | - | 2 (5) [7] | 5 (12) [17] |
| 5 | Other metatarsophalangeal | - | - | 1 (2) [3] | 3 (7) [10] |





| | / | 1 | | 1 | |
|---|------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------|---|
| | Region and Condition | Whole Person (Lower Extremity) [Foot] Impairment (%) | Region and Condition | Whole Person (Lower Extremity) [Foot] Impairment (%) | |
| | Pelvis* | | Knee | | |
| | Pelvic fracture Undisplaced, nonarticular, healed, without neurologic | 0 | Patellar subluxation or dislocation with residual instability | 3 (7) | 1 |
| | deficit or other sign | | Patellar fracture Undisplaced, healed | 3 (7) | |
| | Displaced nonarticular fracture: estimate by evaluating shortening and weakness | - | Articular surface displaced more than 3 mm | 5 (12) | |
| | Acetabular fracture: estimate according to range of motion | - | Displaced with nonunion | 7 (17) | |
| | and joint changes | | Patellectomy Partial | 3 (7) | |
| | Sacroiliac joint fracture: consider displacement | 1-3 (2-7) | Total | 9 (22) | |
| | Ischial bursitis (weaver's bottom) requiring frequent unweighting and limiting of sitting time | | Meniscectomy, medial or lateral Partial | 1 (2) | |
| | Hip | | Total | 3 (7) | |
| | Total hip replacement; includes endoprosthesis, unipolar or | | Meniscectomy, medial and lateral Partial | 4 (10) | |
| | bipolar Good results, 85-100 points† | 15 (37) | Total | 9 (22) | |
| | Fair results, 50-84 points† | 20 (50) | Cruciate or collateral ligament laxity | | |
| | Poor results, less than 50 points† | 30 (75) | Mild | 3 (7) 7 (17) | |
| | Femoral neck fracture, healed in | Evaluate according to | Severe | 10 (25) | |
| | Good position | examination findings | Cruciate and collateral ligament | | |
| | Malunion | 12 (30) plus range-of-motion criteria | laxity Moderate | 10 (25) | |
| | Nonunion | 15 (37) plus range-of-motion criteria | Severe | 15 (37) | |
| | Girdlestone arthroplasty | 20 (50) | Plateau fracture Undisplaced | 2 (5) | |
| | Or estimate according to examination findings; use the greater estimate | | Displaced 5°-9° angulation | 5 (12) | |
| | Trochanteric bursitis (chronic) with abnormal gait | 3 (7) | 10°-19° angulation 20°+ angulation | 10 (25) +1 (2) per degree up to 20 (50) | |
| | Femoral shaft fracture | | | | |
| 6 | Healed with 10°-14° angulation or malrotation | 10 (25) | Supracondylar or intercondylar fracture Undisplaced fracture | 2 (5) | |
| | 15°-19° | 18 (45) | onoispieces fracture | 2 127 | |

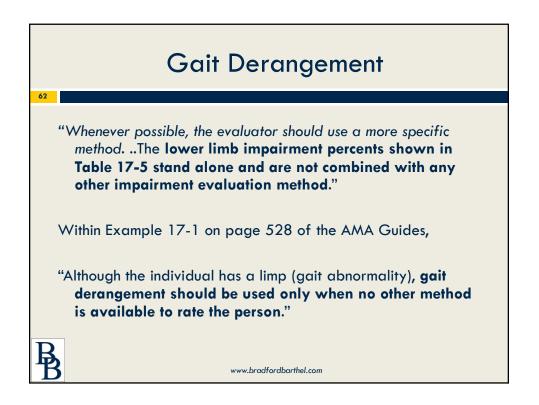
| Region and Condition | Whole Person (Lower Extremity) [Foot] Impairment (%) | Region and Condition | Whole Person (Lower Extremity) [Foot] Impairment (%) |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------|
| Total knee replacement including unicondylar replacement | 15 (37) | Loss of tibia-os cakis angle§ Angle is 120°-110° | 5 (12) [17] |
| Good result, 85-100 points† | 15 (37) | Angle is 100°-90* | 8 (20) [28] |
| Poor results, less than 50 | 30 (75) | Angle is less than 90° | +1 (2) [3] per degree up to 15 (37) [54] |
| points1 | | Intra-articular fracture with | |
| Proximal tibial osteotomy Good result | 10 (25) | displacement Subtalar bone | 6 (15) [21] |
| Poor result | Estimate impairment according to examination and arthritic | Talonavicular bone | 3 (7) [10] |
| | degeneration | Calcaneocuboid bone | 3 (7) [10] |
| Tibial shaft fracture, malalignment of | | Midfoot deformity | |
| 10°-14° | 8 (20) | Canus Mild | 1 (2) [3] |
| 15°-19° | 12 (30) | Moderate | 3 (7) [10] |
| 20"+ | +1 (2) per degree up to 20 (50) | "Rocker bottom" Mild | 2 (5) [7] |
| Ankle | | Moderate | 4 (10) [14] |
| Ligamentous instability (based on stress x-rays4) Mild (2-3 mm excess opening) | 2 (5) [7] | Severe | 8 (20) [28] |
| Moderate (4-6 mm) | 4 (10) [14] | Avascular necrosis of the talus Without collapse | 3 (7) [10] |
| Severe (> 6 mm) | 6 (15) [21] | With collapse | 6 (15) [21] |
| Fracture Extra-articular with angulation | | Forefoot deformity | |
| 10°-14° | 6 (15) [21] | Metatarsal fracture with loss of weight transfer | |
| 15°-19° | 10 (25) (35) | 1st metatarsal | 4 (10) [14] |
| 20"+ | +1 (2) [3] per degree up to | 5th metatansal | 2 (5) [7] |
| | 15 (37) [53] | Other metatarsal | 1 (2) [3] |
| Intra-articular with displacement Hindfoot | 8 (20) (28) | Metatarsal fracture with plantar angulation and metatarsalgia 1st metatarsal | 4 (10) [14] |
| Fracture Extra-articular (calcaneal) | | Sth metatarsal | 2 (5) [7] |
| Extra-articular (calcaneal) With varus angulation | 5 (12) [17] | Other metatarsal | 1 (2) [3] |
| 10°-19° | 2(12)[17] | | |
| With varus angulation 20*+ | 0.5 (1) [1] per degree up to 10 (25) | | |
| With valgus angulation 10°-19° | 3 (7)[11] | | |
| With valgus angulation 20°+ | 0.5 (2) [1] per degree up to 10 (25) [35] | | |



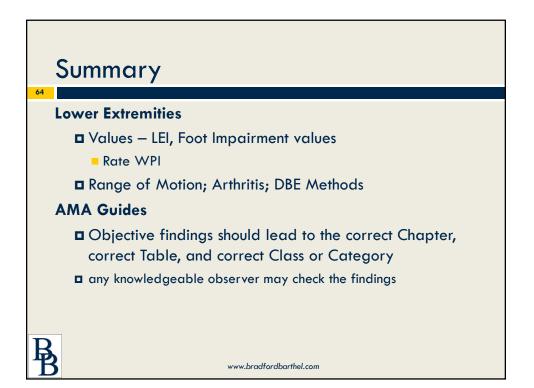
| Table 17-35 Rating Knee R | eplacement Results* |
|----------------------------------------------------------------|-------------------------------------------------------|
| | Number of Points |
| | HUMBER OF FORMS |
| a. Pain | 50 |
| None | 50 |
| Mild or occasional Stairs only Walking and stairs | 45 40 30 |
| Moderate Occasional - Continual | 20 10 |
| Severe | 0 |
| b. Range of Motion | |
| Add 1 point per 5° | 25 |
| c. Stability | |
| (maximum movement in any position) | |
| Anteroposterior | |
| < 5 mm 5-9 mm | 10 5 |
| > 9 mm | 0 |
| Mediolateral 5* 6*.9* 10*.14* | 15 10 5 |
| ≥ 15 ^v Subtotai | 0 |
| | |
| Deductions (minus) d, e, f | |
| d. Flexion contracture 5°.0° 10°-15° 16°-20° > 20° | 2 5 10 20 |
| e. Extension lag | |
| < 10° 10°-20° > 20° | 5 10 15 |
| f. Alignment | |
| 0°- 4° 5°-10° 11°-15° > 15° Pedections subtotal | 0 3 points per degree 3 points per degree 20 |



| Gait Deranger Table 17-5, p. 529 | me | nt | |
|-------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Tabl | le 17-5 | Lower Limb Impairment Due to Gait Derangement | |
| Sev | verity | Individual's Signs | Whole Person Impairment |
| Mik | d | Antalgic limp with shortened stance phase and documented moderate to advanced arthritic changes of hip, knee, or ankle | 7% |
| | | Positive Trendelenburg sign and moderate to advanced osteoarthritis of hip | 10% |
| | | c. Same as category a or b above, but individual requires part-time use of cane or crutch for distance walking but not usually at home or in the workplace | 15% |
| | | d. Requires routine use of short leg brace (ankle-foot orthosis [AFO]) | 15% |
| Мо | derate | e. Requires routine use of cane, crutch, or long leg brace (knee- ankle-foot orthosis [KAFO]) | 20% |
| | | f. Requires routine use of cane or crutch and a short leg brace (AFO) | 30% |
| | | g. Requires routine use of two canes or two crutches | 40% |
| Sev | rere | Requires routine use of two canes or two crutches and a short leg brace (AFO) | 50% |
| | | Requires routine use of two canes or two crutches and a long leg brace (KAFO) | 60% |
| ₽ | | Requires routine use of two canes or two crutches and two lower- extremity braces (either AFOs or KAFOs) | |
| D | | k. Wheelchair dependent | 80% |



| lable 17-52 impai | rment Estimates for Amputations |
|----------------------------------------------|---------------------------------------------------------|
| Amputation | Whole Person (Lower Extremity) [Foot] Impairment (%) |
| Hemipelvectomy | 50 |
| Hip disarticulation | 40 (100) |
| Above knee Proximal Midthigh Distal | 40 (100) 36 (90) 32 (80) |
| Knee disarticulation | 32 (80) |
| Below knee Less than 3" 3" or more | 32 (80) 28 (70) |
| Syme (hindfoot) | 25 (62) [100] |
| Midfoot | 18 (45) [64] |
| Transmetatarsal | 16 (40) [57] |
| First metatarsal | 8 (20) [28] |
| Other metatarsals | 2 (5) [7] |
| All toes at metatarso (MTP) joint | bhalangeal 9 (22) [31] |
| Great toe at MTP join | t 5 (12) [17] |
| Great toe at interpha | angeal joint 2 (5) [7] |
| Lesser toes at MTP joi | nt 1 (2) [3] each |



| Chapter 13 - The Central and Peripheral Nervous System | | | | | | | | | | | |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| Table 13-15 Criteria for Rating Impairments Due to Station and Gait Disorders | | | | | | | | | | | |
| | Class 1 1%-9% Impairment of the Whole Person | Class 2 10%-19% Impairment of the Whole Person | Class 3 20%-39% Impairment of the Whole Person | Class 4 40%-60% Impairment of the Whole Person | | | | | | | |
| | Rises to standing position; walks, but has difficulty with elevations, grades, stairs, deep chairs, and long distances | Rises to standing position; walks some distance with difficulty and without assistance, but is limited to level surfaces | Rises and maintains standing position with difficulty; cannot walk without assistance | Cannot stand without help, mechanical support, and/or an assistive device | | | | | | | |

Table 13-16 Criteria for Rating Impairment of One Upper Extremity

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| Class 1 | | Class 2 | | Class 3 | | Class 4 | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| A DESCRIPTION OF A DESC | Dominant Extremity 1%-9% Impairment of the Whole Person | Nondominant Extremity 1%-4% Impairment of the Whole Person | Dominant Extremity 10%-24% Impairment of the Whole Person | Nondominant Extremity 5%-14% Impairment of the Whole Person | Dominant Extremity 25%-39% Impairment of the Whole Person | Nondominant Extremity 15%-29% Impairment of the Whole Person | Dominant Extremity 40%-60% Impairment of the Whole Person | Nondominant Extremity 30%-45% Impairment of the Whole Person |
| Individual can use the involved extremity for self-care, daily activities, and holding, but has difficulty with digital dexterity | | Individual can use the involved extremity for self-care, can grasp and hold objects with difficulty, but has no digital dexterity | | Individual can use the involved extremity but has difficulty with self-care activities | | Individual cannot use the involved extremity for self-care or daily activities | | |

