### Author Index

Puharic, T. and Bohannon, R.W.: Measurement of Forearm Pronation and Supination Strength with a Hand-held Dynamometer, 202

Rieu, M.: Axis of rotation, 16, 21; Average torque, 85, 88, 118; Average power, 118

Ryan, J.: Back lifting ability, 181

Sadowsky, H.S.: See Byl, N.N., 139

Scheidt, A.: See Moening, D., 85

Shenk, B.: See Perrin, D.H., 85

Shepardson, L.: See Brown, L.E., 160

Takiguchi, D.: See Harris, S., 181

Tharp, G.D.: See Fry, A.C., 74


Timm, K.E., Fyke, D.: The Effect of Test Speed Sequence on the Concentric Isokinetic Performance of the Knee Extensor Muscle Group, 123; See also Thompson, C.R., 44

Walmsley, R.P.: Movement of the Axis of Rotation of the Glenohumeral Joint While Working on the Cybex II Dynamometer. Part I. Flexion/Extension, 16; See also Movement of the Axis of Rotation of the Glenohumeral Joint While Working on the Cybex II Dynamometer. Part II. Abduction/Adduction, 21

Whitehurst, M.: See Brown, L.E., 160

Wiberg Parker, S.L.: See Brown, L.J., 216

### Subject Index

**Abduction/adduction**, 21

Acoustic myography, 4

Angular velocity, 27

Assessment, 4

Average force, 85

Average power, 118

Average torque, 85, 88, 118

Axis of rotation, 16, 21

Back lifting ability, 181

Biochemical analysis, 50

Biodex System 2, 160

Blood pressure, 74

Cold water (cryotherapy), 152

Concentric assessment, 164

Concentric/eccentric isokinetic ratio, 155

Concentric knee extension, 216

Concentric knee extensor torque, 123

Correlation, 133

Correlation, 148

Creatine kinase, 68

Cross-sectional area, 133

Cybex 6000, powered mode, 216

Cycle ergometry, 74

Data extraction, 96

Delayed onset muscle soreness, 68

Eccentric exercise, 68

Eccentric peak torque, 27

Electromyographic signal, 171

Fatigue rehabilitation, 101

Flexion extension, 16

Forearm flexors and extensors, 133

Forearm, 195

Functional concentric assessment, 111

Hand held dynamometer, 148, 202

Heart rate, 74, 188

Hip flexor/extensor ratio, 111

Hip position, 27

Industrial workers, 34

Isokinetic assessment, 34, 181

Isokinetic concentric assessment, 152

Isokinetic exercise, 118

Isokinetic reliability, 165

Isokinetics, 139, 195

Isokinetic testing, 101

Isometric, 195

Isometric assessment, 148

Kinetron II, 50

Knee extension/flexion, 160

Knee extensors, 164

Knee extensor strength, 181

Knee isokinetic tests, 188

Knee flexors/extensors, 96

Leg dominance, 165

Local muscle fatigue, 171

Magnetic resonance imaging (MRI), 133

Measurement, 4

Movement pattern, 16, 21

Multiple Sclerosis, 101

Multisite, 139

Muscle activity, 4

Muscle fatigue, 118

Muscle soreness, 68

Muscle sounds, 4

Peak force, 85

Peak isokinetic torque, 133

Peak torque, 44, 85, 88, 216

Planter flexors, 152

Pronation, 202

Pronation and supination strength, 195

Quadriceps/hamstring musculature, 68

Quadriceps/hamstring ratio, 27

Quadriceps, 57

Rate pressure product, 74

Reliability, 44, 88, 160, 195

Resistance exercise, 74

Rotator cuff, 155

Screening, 34

Shoulder rotators, 85

Shuttle 2000, 57

Specific torque angle, 88

Spectral parameters, 171

Sport-specific and speed-specific angle of peak torque, 164

Sprint speed, 111

Supination, 202

Tennis players, 155

Test speed sequence, 123

Testing intervals, 44

Total work, 44

Treadmill running, 207

Upper extremity, 88

Validity, 96

Vertical leap, 57

Video analysis, 207

Water running, 207

Work, 216