Table 1.KT 1000 knee ligament arthrometer exam, isokinetic test, hop test(s), quality movement assessment at 6 months ?Acceptable quality movement assessment Precautions: ?Acceptable quality movement assessment ?Anterior cruciate ligament (BTB) rehabilitation guideline Post-operative phase I (weeks 0-2) Goals: ?Emphasize patient compliance to home therapeutic exercise program and weight bearing precautions/progression Criteria for advancement: ?Progressive weight bearing/WBAT (patella tendon) with crutches brace opened 0?Brace changed to MD preference (OTS brace, patella sleeve, etc.) ?Functional progression pending KT1000 and functional assessment Post-operative phase 4 (weeks 14-22) Goals: ?Avoid descending stairs reciprocally until adequate guadriceps control and lower extremity alignment ?Lack of apprehension with plyometric and agility activities to date Post-operative phase 5--return to sport (weeks 22-?) Goals: ?PWB -> WBAT (patella tendon) with brace locked at 0?Demonstrate ability to unilateral (involved extremity) weight bear without pain Post-operative phase 2 (weeks 2-6) Goals: ?Proprioception training: prop board/balance system/contralateral Theraband exercises ?Reassess patient's complaint's (i.e., pain/swelling daily--adjust program accordingly) ?Towel extensions, prone hangs, etc.Quadriceps re-education (guad sets with EMS or EMG) ?Active flexion/active-assisted extension 90?Upper extremity cardiovascular exercises as tolerated ?Avoid pain with therapeutic exercise and functional activities Treatment strategies: ?-> 50?, if good quadriceps control (good quad set/ability to SLR without lag or pain) ?Aquaciser (gait training) if incision benign ?Hamstring/calf flexibility exercises ?Retrograde incline treadmill ambulation ?Home therapeutic exercise program: Individualized Criteria for advancement: ?Good patella mobility Post-operative phase 3 (weeks 6-14) Goals: ?Avoid running and sport activity till adequate strength development and MD clearance Treatment strategies: ?Home therapeutic exercise program: evaluation based Criteria for advancement: ?Maximize strength and flexibility as to meet demands of activities of daily living ?Isokinetic test >=85% limb symmetry Precautions: ?Avoid sport activity till adequate strength development and MD clearance Treatment strategies: ?Isotonic knee extension (full arc/pain and crepitus free) ?Home therapeutic exercise program: Individualized Criteria for advancement: ?Home therapeutic exercise program: Individualized Criteria for discharge: ?-> 90??-> 0???-> 0?-> 5?-> 90??-> 130??-> 0??-> 125??-> ??40