15-04-2019 MOHM - Week 11 Notes S. Joseph Brosand Sociessive knee extension: - Alight flexion for shock absorption during loading is dost - Reaple who have quadrices paralyses following poliomythis - Also raused by & anatomical length discrepancy Encessive knee flescion. - Flexion contracture in the knees Spasticity in the hamsbrings prevent full astension.

Normal plantarflession in LR causes stability problem Inadequate dorsifesion nontrol:

String - dorsifesion helps the feet when the ground Abnormal foot contact: Talipe, dalcaneus: -Halefus dationals:

A Deformity where forefoot is in ostrome dorsiflenion

A The cause sparticity in onterior tibic muscle and

weakness in bricepe

A Tordoot doesn't take the weight

A Results in decrease of stance phase obviocition and

thereby in the swing phase of sporite and

The Itid length uncrease in an overeal sense A Forgood is in plantarflesion

3 Separticity in Giceler or weakness undorighterior

4 In severe cases head never toucher the ground

4 GrR Fus anterior to the lener and causes hyperentemen

in the lener Lalyer Equinus: -

Tool Deformation with excessive medial / Lateral contact - Talipes Equinovarius. A howed foot when cloud is dorne by weiter border of forefood. of forefood. - Broblems with buche, achiller tenden or pain in the toward Almormal Walking Bose: Valgus Ane: -> Because of Lites buteral trunk bending Voris dense - Marrow Louse Decause of Incep 23 adduction deformity. - lauses sussoring gait. - seen un cerebral falsy Assistive devices for mobility: --> Brothesis -> Replacement for missing Lemb -> Orthosis -> Lupporting devices to compensate leg pathologies -> Exospolation -> To cuigment performance Lower Limb Ampulation: laused by - Varular disease 3 Suiderts - Some our Jemour -> Longantal douses

Below knee computation: -> toranstelial Above Ane computation -> toranstemoral Brosthetic foot; Solid Ankle Kushion Heal Role of lower timb prosthesis: - Brovides stability in standing and while walking - shock absorption - Enable forward motion of leg to prepare for next ste - Assist in Jush off. - Jontos pendelar swing -) Adjust to different walking speed -) Reduce effort needed to walk. - Restore undopendence - Later to other special needs.