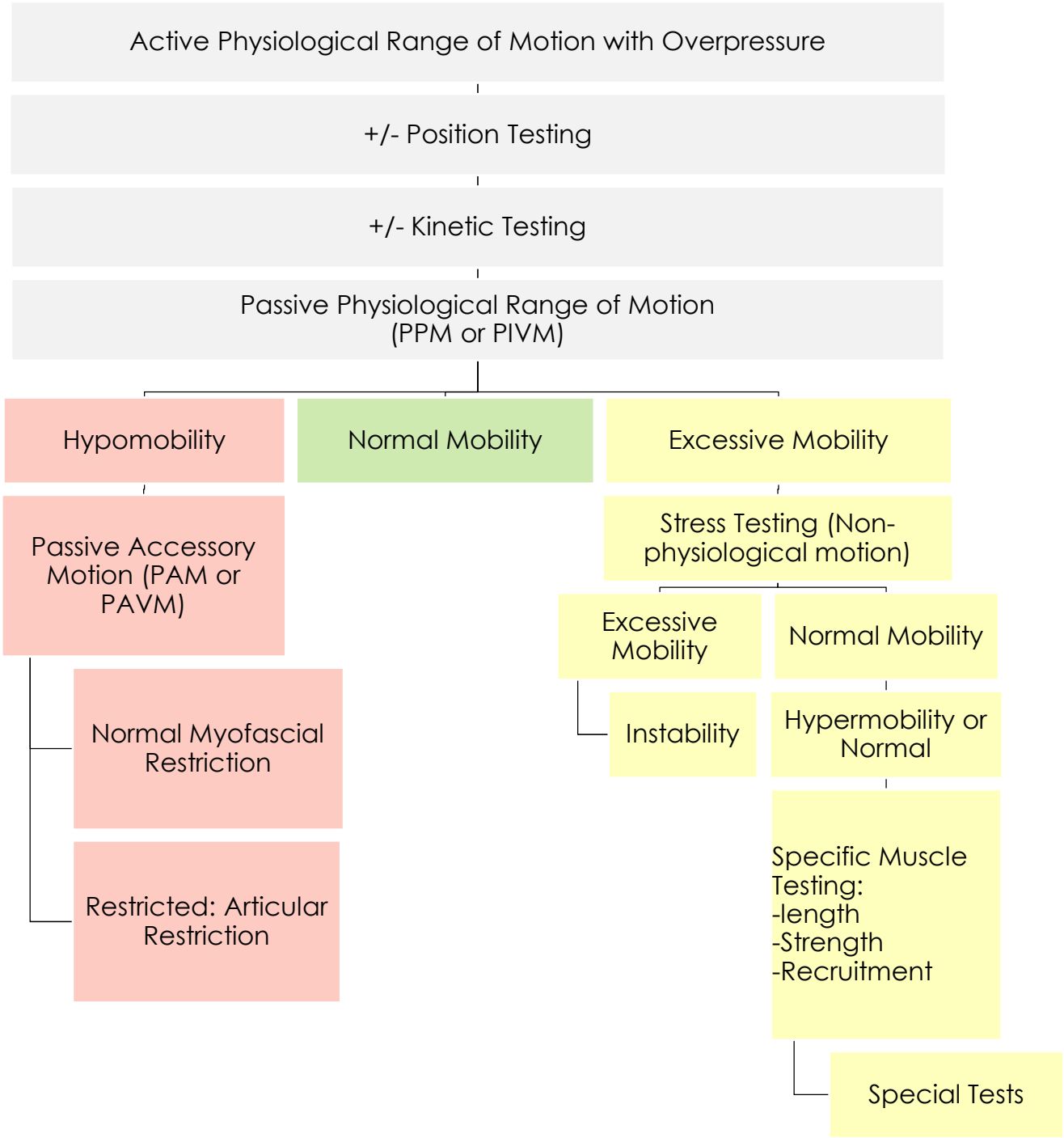BIOMECHANICAL EXAMINATION