

ANATOMIC ACL RECONSTRUCTION SCORING SYSTEM

Below you will find the **Anatomic ACL Reconstruction Scoring System**. Anatomic ACL reconstruction is defined as *the functional restoration of the ACL to its native dimensions, collagen orientation, and insertion sites*. This scoring system was developed to determine to what degree ACL reconstruction was performed in an anatomic fashion. This scoring system can be used to grade ACL reconstruction procedures for individual patients as well as for review of the description of surgical methods in studies/ manuscripts on anatomic single- and double-bundle ACL reconstructions. The scoring system uses multiple items that were determined to be reliable and valid primary indicators of the degree of “anatomic” ACL reconstruction.

If the following items were performed the number of point that is assigned to them should be added to the total score. The maximum score is 19 points.

- ☐ Individualization of the surgery for each patient
- ☐ Use of a 30 degrees arthroscope
- ☐ Use of an accessory medial portal, in addition to the a lateral and medial portal
- ☐ Direct visualization of the femoral ACL insertion site
- ☐ Measuring the femoral ACL insertion site dimensions
- ☐ Visualizing the lateral intercondylar ridge
- ☐ Visualizing the lateral bifurcate ridge
- ☐ Placing the femoral tunnel(s) in the femoral ACL insertion site
- ☐ Trans-portal drilling of the femoral ACL tunnels
- ☐ Direct visualization of the tibial ACL insertion site
- ☐ Measuring the tibial ACL insertion site dimensions
- ☐ Placing the tibial tunnel(s) in the tibial ACL insertion site
- ☐ Documenting of femoral fixation method
- ☐ Documenting of tibial fixation method
- ☐ Documenting knee flexion angle during femoral tunnel drilling
- ☐ Documenting graft type
- ☐ Documenting knee flexion angle during graft tensioning

What was the highest level of documentation used for ACL tunnel position in ALL involved subjects?

- ☐ Drawing, diagram, operative note, dictation, or clock face reference
- ☐ Arthroscopic pictures, radiographs, 2D MRI, or 2D CT
- ☐ 3D MRI, 3D CT, or navigation