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7. The distal femoral component of claim 1, including one cam member that engages with the posterior aspect of the tibial post to prevent dislocation in flexion beyond 90°.

8. The distal femoral component of claim 1, wherein the post features a posterior aspect which is slanted posteriorly.

9. A distal femoral knee-replacement component configured for use with a tibial component having a bearing surface and superior tibial post with a posterior aspect, the distal femoral component comprising:

a body having a pair of medial and lateral condylar protrusions and an intercondylar region therebetween dimensioned to receive the tibial post; and

a structure providing more than one physically separate and discontinuous points of cam action as the knee moves from extension to flexion.

10. The distal femoral component of claim 9, whereby the cam member of cam action is operative to minimize translation of the condylar protrusions relative to the bearing surface of the tibial component at the initiation of flexion.

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11. The distal femoral component of claim 9, whereby the cam member of cam action is operative to minimize dislocation of the joint at a degree of flexion beyond 90 degrees.

12. The distal femoral component of claim 9, wherein the points of cam action are implemented as features which at least partially bridge the intercondylar region.

13. The distal femoral component of claim 12, wherein the features are transverse bars that span the intercondylar region.

14. The distal femoral component of claim 12, wherein the bars are straight or curved.

15. The distal femoral component of claim 12, wherein the post is convex and the bars are concave to permit rotation.

16. The distal femoral component of claim 9, wherein the post features a posterior aspect which is slanted posteriorly.

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