

Abnormalities	Percentage (%)	Reference
Limited range of motion (ROM)	12	Sanpera <i>et al</i> ¹⁷
Valgus	70	Sanpera <i>et al</i> ¹⁷
	100	Chomiak <i>et al</i> ¹²
Osteochondritis dissecans	6.5	Manner <i>et al</i> ⁷
Chondral lesion	14.3	Chomiak <i>et al</i> ¹²
Meniscal anomalies	14.3 (hypoplastic)	Chomiak <i>et al</i> ¹²
	9.7 (discoid)	Manner <i>et al</i> ⁷
Lateral femoral condyle anomalies	100	Chomiak <i>et al</i> ¹²
Lateral tibial eminence anomalies	100	Manner <i>et al</i> ⁷
Medial tibial eminence anomalies	22.6 (hypoplastic)	Manner <i>et al</i> ⁷
	25.8 (aplastic)	Manner <i>et al</i> ⁷
Patellar hypoplasia	unspecified	Mindler <i>et al</i> ⁸
Patellar instability	unspecified	Paley <i>et al</i> ⁹

ACL anomalies	90.5	Chomiak <i>et al</i> ¹²
	100	Manner <i>et al</i> ⁷
PCL anomalies	61.9	Chomiak <i>et al</i> ¹²
	48.4	Manner <i>et al</i> ⁷

Supplementary Table S1. Knee abnormalities found in CFD patients.

ACL - anterior cruciate ligament

PCL - posterior cruciate ligament

Procedures	Indications
Grammont procedure	<ul style="list-style-type: none"> ● Patellar maltracking in the absence of patellar dislocation <p>Note: Associated with lateral release</p>
Paley's modified MacIntosh procedure for immature skeletons	<ul style="list-style-type: none"> ● Anterior instability (absence of ACL) <p>Note: Usually rotatory instability is presented (required combination of intra + extra-articular reconstruction for knee stabilization)</p>

<p>Paley procedure (reverse MacIntosh)</p>	<ul style="list-style-type: none"> ● Posterolateral rotatory instability <p>Note:</p> <p>Prevent external tibial rotation</p> <p>Prevent posterior tibial subluxation and patellofemoral subluxation</p> <p>Act as an extra-articular PCL reconstruction</p>
<p>Paley's modified Langeskiöld procedure</p>	<ul style="list-style-type: none"> ● Patellar dislocation <p>(must be corrected before lengthening)</p> <p>Note:</p> <p><i>Anatomical abnormalities found:</i></p> <ul style="list-style-type: none"> - Distal valgus femur - Hypoplastic trochlear sulcus - Lateral retinaculum contracture and iliotibial tract - Rotational instability in external rotation due to absence of crosses
<p>Anterior access of Paley for posterior knee capsulotomy</p>	<ul style="list-style-type: none"> ● Flexion deformity greater than 15° <p>Note:</p> <p>Commonly associated with other hip or knee procedures</p>

Supplementary Table S2. Main indications and observations of each step of the superknee procedure.

ACL - anterior cruciate ligament

PCL - posterior cruciate ligament