SECTION XI - DEVICES CURRENTLY OR PREVIOUSLY AVAILABLE

The table that follows lists the names, manufacturer, and design features of mobile bearing knees mentioned in published literature or otherwise known to OSMA members contributing to this petition.

Of the devices listed, the following are available in the U.S. All are manufactured by J&J DePuy, Warsaw, IN.

- Low Contact Stress (LCS) Rotating Platform
- P.F.C. Sigma Rotating Platform
- P.F.C. Sigma Stabilized Rotating Platform
- Low Contact Stress (LCS) Meniscal Bearing
- Low Contact Stress (LCS) Unicompartmental Knee

All other devices listed are available in various countries, but not in the U.S. Most have originated in Europe. They represent a wide variety of design approaches developed in that region, where mobile bearing knees have a somewhat less demanding Regulatory route to the market. The large number of devices available indicates the depth of interest in the mobile bearing knee philosophy.

The table lists forty-six different knee designs, grouped as follows.

Rotating platform (rotating only): 18
Multidirectional platform: 15
Multidirectional and/or rotating platform: 7
Meniscal Bearing: 3
Unicompartmental 3

In summary, there are approximately forty-six different mobile bearing knees that are currently, or have previously, been on the market. Five of these are available in the U.S.

ROTATING PLATFORM (ROTATING ONLY)						
Implant	Manufacturer	Bearing Type	Description			
Academia	F.H. Orthopedics, Heimsbrun, France	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, cone-in-cone constraint, PCL- sacrificing, third medial femoral condyle concept			
Cinetique	Medacta, Castel San Pietro, Switzerland	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, cone-in-cone constraint, PCL- sacrificing			
Foundation Mobile Knee	Sanortho, Orthez, France	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, cone-in-cone constraint, PCL- sacrificing			
G.K.S.	Premedica, Como, Italy	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, cone-in-cone constraint, PCL- sacrificing			
HLS Noeteos	Tornier, Saint-Ismier, France	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, PCL-sacrificing, third medial femoral condyle concept			
HLS Rotatoire	Tornier, Saint-Ismier, France	Rotating platform (rotating only)	Rotating only platform, tibial tray post constraint, plus anterior banana shape M/L track, posterior stabilized; third medial femoral condyle concept			
Link Tack	Waldemar Link, Hamburg, Germany	Rotating platform (rotating only)	Rotating only platform, fully-congruent, curved tracks constraint, PCL-retaining			
Low Contact Stress (LCS) Rotating Platform	J&J DePuy, Warsaw, IN	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, cone-in-cone constraint, PCL- sacrificing			
LPS Flex Mobile	Zimmer, Warsaw, IN	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, tibial tray post constraint, PCL- sacrificing			
New Vawe	Groupe Lepine, Lyon, France	Rotating platform (rotating only)	PS Rotating only, gait-congruent, PCL-sacrificing, third medial femoral condyle concept			
P.F.C. Sigma Rotating Platform	J&J DePuy, Warsaw, IN	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, cone-in-cone constraint, PCL- sacrificing			
P.F.C. Sigma Stabilized Rotating Platform	J&J DePuy, Warsaw, IN	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, cone-in-cone constraint, posteriorly stabilized			
R.O.C.C.	Biomet, Warsaw, IN	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, cone-in-cone constraint, PCL- sacrificing			
Score	Amplitude, Neyron, France	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, cone-in-cone constraint, third medial condyle concept, PCL-sacrificing			
Scorpio + PCS Mobile Bearing Knee	Stryker Howmedica Osteonics, Allendale, NJ	Rotating platform (rotating only)	Rotating-only platform, functionally-congruent, tibial tray post constraint, PCL-sacrificing			
Scorpio + PS Mobile Bearing Knee	Stryker Howmedica	Rotating platform	Rotating-only platform, functionally-congruent, tibial tray post			
T.C.S.B	EndoPlus, Switzerland	Rotating platform (rotating only)	Rotating-only platform, gait-congruent, cone-in-cone constraint, PCL- sacrificing			
Two Radii Area Contact (TRAC)	Biomet, Warsaw, IN	Rotating platform (rotating only)	Rotating-only platform, fully-congruent, cone-in-cone guided motion saddle constraint, two separate areas of articular contact via inner and outer tracks, posteriorly stabilized			

MULTIDIRECTIONAL PLATFORM					
Implant	Manufacturer	Bearing Type	Description		
Accord (Johnson-Elloy) Total Knee Replacement (TKR)	Thackeray, UK	Multidirectional platform	Multidirectional (with smaller tibial peg), or rotation only (with larger tibial peg), gait-congruent, tibial peg constraint (optional), PCL-sacrificing		
Baccarra	La Biomecanique Intégrée, Clamart, France	Multidirectional platform	Multidirectional platform, gait-congruent, tibial tray post constraint, PCL-retaining		
Duracon ISA	Stryker Howmedica Osteonics, Allendale, NJ	Multidirectional platform	Multidirectional platform, gait-congruent, tibial tray post constraint, PCL-retaining		
E.motion	Aesculap, Tuttlingen, Germany	Multidirectional platform	Multidirectional platform, gait-congruent, A/P Translation, PCL- retaining		
Innex	CenterPulse, (ex Sulzer Medica), Münsingen, Switzerland	Multidirectional platform	Multidirectional platform, gait-congruent, A/P Translation, PCL- retaining		
Interax ISA	Stryker Howmedica Osteonics, Allendale, NJ	Multidirectional platform	Multidirectional platform, gait-congruent, tibial tray post constraint, PCL-retaining		
Kinemax	Stryker Howmedica Osteonics, Allendale, NJ	Multidirectional platform	Multidirectional platform, gait-congruent, tibial tray post constraint, PCL-retaining (same insert as the Interax ISA)		
Kinemax Plus	Stryker Howmedica Osteonics, Allendale, NJ	Multidirectional platform	Multidirectional platform, semi-congruent (as per the fixed bearing knee), tibial tray post constraint, PCL-retaining		
Low Contact Stress (LCS) Antero-posterior Glide	J&J DePuy, Warsaw, IN	Multidirectional platform	Multidirectional platform, gait-congruent, cone-in-cone with AP slide rail constraint, PCL-retaining, no restraint to AP glide		
Self Aligning Knee (SAL)	Sulzer, Austin, TX	Multidirectional platform	Multidirectional platform, fully-congruent, tibial tray post constraint, PCL-retaining		
MBK	Zimmer, Warsaw, IN	Multidirectional platform	Multidirectional platform, fully-congruent, tibial tray post constraint with subluxation stops, PCL-retaining or sacrificing, fixed bearing intraoperative options		
Motus	Stryker Howmedica Osteonics, Allendale, NJ	Multidirectonal platform (unconstrained)	Multidirectional platform, gait-congruent, unconstrained, PCL-retaining		
Platinum (Active) Knee	Australian Surgical Design Manufacturers (ASDM)	Multidirectonal platform	Multidirectional platform, gait-congruent, unconstrained, PCL-retaining		
Rotaglide	Corin, Gloucestershire, UK	Multidirectional platform	Multidirectional platform, fully-congruent, tibial tray post constraint with subluxation stops, PCL-retaining; fixed bearing intraoperative options with Plus model		
Scorpio+ CR Mobile Bearing Knee	Stryker Howmedica Osteonics, Allendale, NJ	Multidirectional platform	Multidirectional platform, functionally-congruent, tibial tray post constraint, PCL-retaining		

Implant Manufacturer Reging Type Description Genesis II Mobile Bearing Knee Smith & Nephew, Memphis, TN Multidirectional platform and rotating platform or rotating platform (with insection of peg), gait-congruent, tibial tray post constraint, PCL- retaining or sacrificing faced bearing intraoperative options G2S F.I.I., Saint-Etienne, France Multidirectional platform or rotating platform (with insertion of peg), post and slot constraint, PCL-retaining or sacrificing Profix Mobile Bearing Knee System Smith & Nephew Memphis, TN Multidirectional platform or rotating platform Multidirectional platform or opeg), post and slot constraint, PCL-retaining or sacrificing Surf Serf, Decines, France Multidirectional platform Multidirectional platform (without insertion of peg) or rotating platform sacrificing Tri Condylar Congruene Concept (Tri CCC) Dedienne Sante, Mauguio, France Multidirectional platform Multidirectional platform Multidirectional platform Multidirectional platform and rotating platform Multidirectional platform and rotating Multidirectional condyle concept, PCI -sacrificing TRK Wright Cremascoli Ortho, (WCO), Toulon, France Multidirectional platform Multidirectional platform Multidirectional platform, gait-congruent, tibial tray platform 913 Wright Cremascoli Ortho (WCO), Toulon, France Multidirection	MULTIDIRECTIONAL AND/OR ROTATING PLATFORM						
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