Subject Index

A
abrasive wear, 67-80
anterior knee pain, 46-54, 146-155
arthroplasty, 13-26, 100-121
artificial knee testing, 1-12

B
backside wear, 156-171, 172-184
bearing damage, 156-171
bearing wear, 27-45

C
crepitation, 46-54

D
dislocation, 55-66

F
finite element, 67-80, 81-99
fixed bearing, 46-54, 218-231
fixed- and mobile-bearing knees, 133-145
floating platform, 146-155

I
influence of bearing geometries, 204-217
instability, 55-66
in vitro knee wear, 204-217
in vitro testing, 218-231

K
knee, 13-26, 100-121
knee replacement testing, 1-12
knee simulator, 195-203, 218-231
knee wear, 156-171, 172-184

L
low contact stress, 100-121

M
mechanics, 81-99
mobile bearing, 13-26, 27-45, 55-66, 81-99, 100-121, 146-155, 218-231
mobile bearing design, 204-217
mobile bearing knees, 1-12, 67-80, 156-171, 172-184
mobile bearing knee testing, 1-12

O
outcomes, 13-26

P
posterior stabilized, 46-54
press fit condylar, 100-121

R
radiographic analyses, 133-145
range of motion, 146-155
revision, 55-66
 rotating platform, 27-45, 46-54, 81-99, 218-231
S
Sigma, 100-121
spin-out, 27-45
stress, 67-80

total knee replacement (TKR), 27-45, 46-54, 218-231

T
TKA, 146-155
TKR, 218-231
total knee, 81-99
total knee arthroplasty, 1-12, 55-66, 204-217
total knee joint, 195-203

U
UHMWPE, 133-145
UHMWPE wear, 156-171, 172-184
ultra-high molecular weight polyethylene (UHMWPE), 195-203

W
wear, 133-145, 218-231
wear debris, 133-145
wear testing, 195-203