Index

Code of Federal Regulations (CFR) 308
Code of Federal Regulations (CFR) 309
coin ingestions 269, 270
coins 269
complications 123
composites 14
compression plating 35
computed tomography 215
condom 59
constrained 59
constraints 96
contraindication to MR imaging 291
conventional postoperative CT imaging 215
Copland shoulder prosthesis 65
correptiony 29
corrosion, types 8
coronulium 14
Cortelli devices 181
Critical Path Initiative (CPTI) 314
cross-sectional imaging 215
crowns 286
CRP 55
CSF pulsation 225
cTLSO (cervico- thoraco- lumbar sacral orthosis) braces 198
cylindrical objects 263
de-novo devices 310
decanting 15ennial
Denis, Robert 1
dental amalgam 202
dental apparatus 4
dental devices 202
dentin 202
dentures 206, 210
design controls 312
device failure 124
diagnosis of a non-opaque object 284
diagnostic 228
disinfection 15
disk batteries 265, 267
disk cage (spacce) 169
dixon techniques 229
dooclment controls 312
dorsal column stimulation (DSCS) 195
double condylc sign 272
drug overdose 272
drug packets 271
dual-energy CT (DECT) 218
protocol 219
dual-energy CT and metal artifact reduction 218
dynamically locked 99
earrings 159
elastomer 73
eanil 262
Endobones 34
endoprosthesis 80
endoconnect 57
endostrachal tube 159
esophageal foreign body, young children 271
exercise 243
expandable ribs 195
 Expedited Approval Pathway (EAP) 218
external fixation 21
extravasations 251
extreme lateral interbody fusion 186
facial implant devices 208
fat suppression 227
FDA 60, 308
FDA Hip Recalls 89
FDG-PET 236
femoral stem fracture 89
femur zones 88
ferromagnetic 283
ferromagnetic 228
first generation total ankle prostheses 111
fish bones 268
fixation techniques for anterior cruciate 34
fixators
hybrid 23
pinless 23
ring 23
uniplanar external 21
fixed-bearing implants 96
flexible fixation 35
fluorine 18 fluoroexopyglucose (FDG) 236
fluorine 18 sodium fluoride (NaF) 236
fluorcarbon polymers 12
Food and Drug Administration organization 309
Food and Drug Administration Safety and Innovation Act (FDASIA) 314
foreign bodies 4, 262
bladder 276
glass 269
mr imaging 291
rectal 276
foreign body ingestions 262, 271
basic principles 262
foreign body injuries 280
general principles 280
foreign body insertions 275
general principles 276
fracture fixation 19
complications 126
failure 130
full metal jacket 283
gastric tubes 159
gauge 282, 283
Gelf 4-7 position 212
ghost tract 20
glass 269, 284
glass- ceramics 14
glasses 14
gleneos components 60
gossypiboma 287
gown snaps 159
gradient-recalled echo (gre) 229
guits- percha 208
Halloween 289
halo vests 174, 175
handguns 282
hangman fractures 169
hand-on-hard articulations 85
hardware failure 223
hardware loosening 237
Harms cage 172
Harrington rods 178
hearing aids 159
heavy metal poisoning 267
hemianthraploly, hemi-arthroplathy 59, 149
bipolar hip 81
elbow 69
hip 80
knee 102, 103
shoulder 60, 61
unipolar 80
heterotopic bone formation 90, 142,
257
heterotopic bone formation 240
BHIS 308
high tibial osteotomy 43
high-performance (high-temperature) thermoplastics 12
Hill-Sachs deformity 65
hip dislocation 90
hip prosthesis failure 87
hip replacement surgery 92
hollow-point bullet 283
host response 9
humanitarian device exemption 311
humanitarian use device 311
humeral head resurfacing 60, 64
hydroxapatite 14, 124
hypertrophic non-union 128
iatrogenic injury 285
identification and traceability controls 312
IEDs 289
implant 7
implant 59
improved explosive devices 288
in vitro testing 15
in vivo testing 16
INBONE 113
increased radiotracer uptake 240
indium-111 tagged WBC scans 237
infected prosthesis 92
infection 92, 251
infection 222
infection 237
infection risk level medical device 15
Institute of Electrical and Electronic Engineering (IEEE) 311
interlocking screws 49, 124
internal fixation 23
drives 23
goal 23
International Organization for Standardization (ISO) 311, 314
intracortical ferromagnetic fragments 291
intrathecal drug delivery pumps 196
intrathecal drug delivery pumps 195
investigational device exemption (ide) 310
iodine 272
iron 228
poisoning 274
tables 274
jewelry 59, 280, 293
joint prosthesis infection 69, 142
Kevelar 12
Kirschner wire (K-wire) 1, 19, 21, 27,
116, 123
Kirschner, Martin 1
knee radiography 98
knee spacer implant 103
Knodt rods 178
Kuntscher, Gerhard 1, 46
kyphoplasty 190, 191, 287
lactation 243
lamina dura 202
lateral/posterior spinal instrumentation 186
law 308
lead 272, 283
lead shot 265
limb salvage prostheses 2
limb salvage surgery 107
limb-sparing prostheses 236
limb-sparing surgery 108
LISS (less invasive stabilization system) 41
locking (interlocking) screws and pins 49
low-contact dcp 37
LSS 107
Lutice 208
lumbar intersegmental distraction devices 186
lumbar spin instrumentation 175
lumbar ortopedic shunt 162
magnetic susceptibility 226
magnets 267
cylindrical 265, 267
metal 267
mandibular orthopedic repositioning appliance 214
marrow rebound 243
Medical Device Innovation Consortium (MDIC) 314
Medical Device User Fee and Modernization Act (MDFUAMA) 309
medicall devices 310
regulatory pathways 311
medications 271, 272, 274
mercury 289
mercury globules 265
metal alloys 8
metal ion 89
metal on-metal hip arthroplasties 230
metal on-polyethylene disks 193
metal on-metal disease 138
metal-on-metal implants 89, 138
metallic mercury 288
metallosis 88
metastasis 930
metals 9, 272, 284
methyl methacrylate 190
methylene diophosphonate (mdp) 236
methylmethacrylate 76, 288
Milwaukee brace 198
missing sponge 287
Mobi-C Cervical Disk 193
modularity 59
Mobi Hardness Scale 13
MORA 214
multiplanar reformations 217
multiple acquisition with variable resonances image combination (MAVRIC) 228
multislice CT Scanners 217
musculoskeletal procedures 60
myoisis oclusica 257
nail 47
entreeal 51
intraduillary 46, 124
wottie 49
reconstruction 49
nanoengineering 313
Nanoentotechnology Characterization Laboratory (NCL) 314
Nanoentotechnology Task Force 314
nasiogastic tube 159
National Cancer Institute (NCI) 314
National Center for Toxicological Research (NCTR) 309
© in this web service Cambridge University Press

www.cambridge.org
### Index

<table>
<thead>
<tr>
<th>Page</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>237</td>
<td>three-phase bone scans</td>
</tr>
<tr>
<td>181</td>
<td>TiMx Comprehensive Low Back System</td>
</tr>
<tr>
<td>195</td>
<td>TIS devices</td>
</tr>
<tr>
<td>215</td>
<td>titanium</td>
</tr>
<tr>
<td>78</td>
<td>titanium and its alloys</td>
</tr>
<tr>
<td>171</td>
<td>titanium interbody spacers</td>
</tr>
<tr>
<td>181</td>
<td>TiMx Comprehensive Low Back System</td>
</tr>
<tr>
<td>195</td>
<td>TIS devices</td>
</tr>
<tr>
<td>237</td>
<td>three-phase bone scans</td>
</tr>
<tr>
<td>61</td>
<td>Total Evolutive Shoulder System (TESS)</td>
</tr>
<tr>
<td>82</td>
<td>total hip replacement</td>
</tr>
<tr>
<td>96</td>
<td>total knee arthroplasty failure</td>
</tr>
<tr>
<td>92</td>
<td>total knee replacement</td>
</tr>
<tr>
<td>60</td>
<td>total shoulder replacement</td>
</tr>
<tr>
<td>272</td>
<td>toxic agents</td>
</tr>
<tr>
<td>159</td>
<td>tracheal tubes</td>
</tr>
<tr>
<td>159</td>
<td>tracheostomy</td>
</tr>
<tr>
<td>195</td>
<td>transcutaneous electrical neural stimulation (TENS)</td>
</tr>
<tr>
<td>171</td>
<td>titanium interbody spacers</td>
</tr>
<tr>
<td>171</td>
<td>TLSO (thoracolumbar sacral orthosis) braces</td>
</tr>
<tr>
<td>182</td>
<td>Total Evolutive Shoulder System (TESS)</td>
</tr>
<tr>
<td>198</td>
<td>TLSO (thoracolumbar sacral orthosis) braces</td>
</tr>
<tr>
<td>117</td>
<td>TOEFIT-Plus</td>
</tr>
<tr>
<td>202</td>
<td>tooth anatomy</td>
</tr>
<tr>
<td>202</td>
<td>tooth root</td>
</tr>
<tr>
<td>265</td>
<td>toothpicks</td>
</tr>
<tr>
<td>268</td>
<td>total ankle replacement</td>
</tr>
<tr>
<td>111</td>
<td>total ankle replacement</td>
</tr>
<tr>
<td>115</td>
<td>total ankle replacement</td>
</tr>
<tr>
<td>193</td>
<td>total disk replacement</td>
</tr>
<tr>
<td>193</td>
<td>total disk replacement</td>
</tr>
<tr>
<td>60</td>
<td>TSA</td>
</tr>
<tr>
<td>141</td>
<td>TSA</td>
</tr>
<tr>
<td>60</td>
<td>TSA</td>
</tr>
<tr>
<td>71</td>
<td>TWA</td>
</tr>
<tr>
<td>11</td>
<td>UHMWPE</td>
</tr>
<tr>
<td>73</td>
<td>UHMWPE</td>
</tr>
<tr>
<td>102</td>
<td>UKA</td>
</tr>
<tr>
<td>11</td>
<td>ultrahigh molecular weight polyethylene</td>
</tr>
<tr>
<td>228</td>
<td>ultrashort echo time (UTE)</td>
</tr>
<tr>
<td>231</td>
<td>ultrasonography</td>
</tr>
<tr>
<td>284</td>
<td>unconstrained (unlinked) elbow prosthesis</td>
</tr>
<tr>
<td>67</td>
<td>unconstrained</td>
</tr>
<tr>
<td>59</td>
<td>unconstrained</td>
</tr>
<tr>
<td>308</td>
<td>United States Food and Drug Administration</td>
</tr>
<tr>
<td>308</td>
<td>United States Health and Human Services</td>
</tr>
<tr>
<td>310</td>
<td>United States Pharmacopoeia</td>
</tr>
<tr>
<td>190</td>
<td>vertebral disk cages</td>
</tr>
<tr>
<td>287</td>
<td>vertebroplasty</td>
</tr>
<tr>
<td>275</td>
<td>video capsule endoscopy</td>
</tr>
<tr>
<td>243</td>
<td>vocal cord palsy treatment</td>
</tr>
<tr>
<td>229</td>
<td>WARP</td>
</tr>
<tr>
<td>30</td>
<td>washer (metallic ring)</td>
</tr>
<tr>
<td>257</td>
<td>white adipose tissue</td>
</tr>
<tr>
<td>28</td>
<td>wires</td>
</tr>
<tr>
<td>284</td>
<td>wooden fragments</td>
</tr>
<tr>
<td>27</td>
<td>wrist arthrodesis</td>
</tr>
<tr>
<td>43</td>
<td>wrist fusion</td>
</tr>
<tr>
<td>186</td>
<td>X-Stop device</td>
</tr>
<tr>
<td>166</td>
<td>Vitalium</td>
</tr>
<tr>
<td>243</td>
<td>vocal cord palsy treatment</td>
</tr>
<tr>
<td>30</td>
<td>washer (metallic ring)</td>
</tr>
<tr>
<td>257</td>
<td>white adipose tissue</td>
</tr>
<tr>
<td>28</td>
<td>wires</td>
</tr>
<tr>
<td>284</td>
<td>wooden fragments</td>
</tr>
<tr>
<td>27</td>
<td>wrist arthrodesis</td>
</tr>
<tr>
<td>43</td>
<td>wrist fusion</td>
</tr>
<tr>
<td>186</td>
<td>X-Stop device</td>
</tr>
<tr>
<td>166</td>
<td>Vitalium</td>
</tr>
<tr>
<td>270</td>
<td>zinc poisoning</td>
</tr>
</tbody>
</table>