

<b>Foreword</b>	<b>V</b>	<b>Introduction</b>	
<b>Dedication</b>	<b>VI</b>	1 General considerations in foot and ankle surgery	
<b>Preface</b>	<b>VII</b>	Andrew K Sands, Michael Swords, Mandeep S Dhillon,	
<b>Acknowledgments</b>	<b>VIII</b>	Stefan Rammelt	<b>3</b>
<b>Online Educational Content</b>	<b>IX</b>	<b>Distal tibia</b>	
<b>Contributors</b>	<b>X</b>	2 Distal tibia/pilon fractures	
<b>Abbreviations</b>	<b>XIV</b>	Michael Swords	<b>17</b>
		<b>Section 1 Metaphyseal fractures with joint involvement</b>	
		2.1 Tibial shaft fracture extending into the plafond–	
		plate fixation	
		May Fong Mak, Mathieu Assal	<b>27</b>
		2.2 Metaphyseal fracture with joint involvement	
		May Fong Mak, Mathieu Assal	<b>35</b>
		2.3 Partial articular fracture–plate fixation	
		May Fong Mak, Mathieu Assal	<b>43</b>
		2.4 Tibial shaft fracture extending into the plafond–	
		intramedullary fixation	
		Tim Schepers, Jens Anthony Halm	<b>49</b>
		<b>Section 2 Complex articular fractures</b>	
		2.5 Medial plating and screws	
		John R Shank	<b>55</b>
		2.6 Anterolateral plating and medial buttress	
		John R Shank	<b>63</b>
		2.7 Anterior plating	
		John R Shank, Michael Swords	<b>73</b>
		2.8 Staged treatment of pilons (posterior to anterior)	
		John Ketz, David Ciufo	<b>79</b>
		<b>Section 3 Complex articular fractures with compromised soft tissues</b>	
		2.9 Pilon fracture with compartment syndrome of the foot	
		Matthew Graves, Bopha Chrea	<b>89</b>
		2.10 Free flap coverage	
		Marschall Berkes, John W Munz	<b>101</b>

Malleoli	Calcaneus
3 Malleolar fractures Stefan Rammelt <b>115</b>	4 Calcaneal fractures Michael Swords <b>225</b>
<b>Section 1 Malleolar fractures with a stable syndesmosis</b>	<b>Section 1 Peripheral fractures</b>
3.1 Distal fibular transsyndesmotric fracture (Weber B) Lubomír Kopp, Petr Obruba <b>131</b>	4.1 Extraarticular fracture (beak) Michael Swords, Candice Brady <b>237</b>
3.2 Bimalleolar transsyndesmotric fracture (Weber B) with transverse medial malleolar fracture Lubomír Kopp, Petr Obruba <b>141</b>	4.2 Medial tuberosity fracture Stefan Rammelt <b>245</b>
3.3 Distal fibular infrasyndesmotric fracture (Weber A) with medial malleolar vertical fracture and joint impaction Lubomír Kopp, Petr Obruba <b>151</b>	4.3 Sustentacular fracture Michael Swords <b>251</b>
<b>Section 2 Malleolar fractures with syndesmotric disruption</b>	<b>Section 2 Central fractures</b>
3.4 Bimalleolar fracture with syndesmotric disruption Michaël Houben, Martijn Poeze <b>163</b>	4.4 Simple articular fracture (Sanders 2)—minimally invasive screw fixation Tim Schepers <b>259</b>
3.5 High fibular fracture with syndesmotric disruption (Maisonneuve) Michaël Houben, Martijn Poeze <b>173</b>	4.5 Displaced intraarticular fracture—sinus tarsi approach Michael Swords, Candice Brady <b>269</b>
3.6 Trimalleolar fracture with syndesmotric disruption Michaël Houben, Martijn Poeze <b>179</b>	4.6 Complex articular fracture (Sanders 3/4)—extensile approach Tim Schepers <b>285</b>
<b>Section 3 Malleolar fractures with partial joint impaction</b>	4.7 Calcaneal fracture dislocation Michael Swords, Stefan Rammelt <b>295</b>
3.7 Trimalleolar ankle fracture with impaction of the posterior tibial rim Stefan Rammelt <b>189</b>	
3.8 Locked fracture-dislocation of the fibula (Bosworth) with impaction of the posterior tibial rim Jan Bartoníček, Stefan Rammelt <b>199</b>	
3.9 Osteoporotic trimalleolar fracture with additional fracture of the anterior tibial rim (Chaput) Stefan Rammelt <b>209</b>	

<b>Talus</b>		<b>Midfoot</b>	
5 Talar fractures and dislocations Mandeep S Dhillon	<b>307</b>	6 Midfoot injuries Andrew K Sands	<b>389</b>
<b>Section 1 Peripheral fractures</b>		<b>Section 1 Chopart joint injuries</b>	
5.1 Osteochondral dome fracture Omkar Baxi, Michael Yerosian, Sheldon Lin	<b>315</b>	6.1 Talar head fracture John R Shank	<b>395</b>
5.2 Lateral process fracture Mandeep S Dhillon, Devendra K Chouhan	<b>323</b>	6.2 Anterior calcaneal process fracture John R Shank, Michael Swords	<b>399</b>
5.3 Posterior process fracture John R Shank, Michael Swords	<b>329</b>	6.3 Navicular fracture Juan Bernardo Gerstner Garces, Andrew K Sands	<b>403</b>
<b>Section 2 Central fractures</b>		6.4 Cuboid nutcracker fracture Juan Bernardo Gerstner Garces, Andrew K Sands	<b>413</b>
5.4 Displaced talar neck fracture (Hawkins 2) Steven J Lawrence, Arun Aneja	<b>339</b>	6.5 Chopart dislocation with compromised soft tissue John R Shank	<b>421</b>
5.5 Displaced talar body fracture (Marti 3/4) Michael Swords, Rajiv Shah, Sampat Dumbre Patil	<b>349</b>	<b>Section 2 Tarsometatarsal/intertarsal joint injuries (Lisfranc)</b>	
5.6 Talar neck fracture with dislocation of the body (Hawkins 3) Keun-Bae Lee	<b>359</b>	6.6 Tarsometatarsal injury—percutaneous reduction and fixation Matthew Tomlinson	<b>431</b>
<b>Section 3 Dislocations</b>		6.7 Tarsometatarsal injury—open reduction and internal fixation Andrew K Sands, Michael Swords	<b>437</b>
5.7 Medial subtalar dislocation Mandeep S Dhillon, Sharad Prabhakar	<b>369</b>	6.8 Tarsometatarsal injury with compartment syndrome Stefan Rammelt, Arthur Manoli II, Andrew K Sands	<b>445</b>
5.8 Lateral subtalar dislocation Mandeep S Dhillon, Sharad Prabhakar	<b>375</b>	6.9 Tarsometatarsal/intertarsal complex midfoot injury Andrew K Sands	<b>455</b>
5.9 Extruded talus Mandeep S Dhillon, Sampat Dumbre Patil, Siddhartha Sharma	<b>379</b>		

Table of contents

<b>Metatarsals</b>		<b>Phalanges and sesamoid</b>	
7 Metatarsal fractures Mandeep S Dhillon, Siddhartha Sharma	<b>465</b>	8 Phalangeal and sesamoid fractures and dislocations Stefan Rammelt	<b>559</b>
<b>Section 1 First metatarsal fracture</b>		<b>Section 1 Great toe fracture</b>	
7.1 Metatarsal head fracture Michael Swords, Mandeep S Dhillon, Stefan Rammelt	<b>475</b>	8.1 Unicondylar proximal phalangeal fracture of the great toe Konrad Kamin, Stefan Rammelt	<b>569</b>
7.2 Simple first metatarsal diaphyseal fracture Richard E Buckley, Jitendra Mangwani	<b>485</b>	8.2 Bicondylar proximal phalangeal fracture of the great toe Stefan Rammelt, Konrad Kamin	<b>573</b>
7.3 Comminuted first metatarsal diaphyseal fracture Kartik Hariharan, Richard E Buckley, Kar Hao Teoh	<b>489</b>	<b>Section 2 Lesser toe fracture and dislocation</b>	
7.4 Proximal first metatarsal fracture with joint involvement Khairul Faizi Mohammad	<b>501</b>	8.3 Lesser toe fracture Stefan Rammelt, Konrad Kamin	<b>579</b>
<b>Section 2 Second to fourth metatarsal fractures</b>		8.4 Lesser toe dislocation Konrad Kamin, Stefan Rammelt	<b>585</b>
7.5 Multiple metatarsal neck fractures—K-wire fixation Rajiv Shah, Mandeep S Dhillon, Shivam Shah	<b>509</b>	<b>Section 3 Sesamoid fracture</b>	
7.6 Multiple metatarsal neck fractures—plate fixation Jitendra Mangwani, Georgios Datsis, Georgina Wright, Michael Swords	<b>515</b>	8.5 Sesamoid fracture Stefan Rammelt, Konrad Kamin	<b>589</b>
7.7 Multiple metatarsal shaft fractures Sampat Dumbre Patil, Mandeep S Dhillon, Michael Swords	<b>525</b>	<b>Appendix</b>	
7.8 Proximal central metatarsal base fracture with joint involvement Arun Aneja, Steven J Lawrence	<b>535</b>	AO/OTA Fracture and Dislocation Classification	<b>599</b>
<b>Section 3 Fifth metatarsal base fracture</b>		Gustilo-Anderson Classification of Open Fractures	<b>626</b>
7.9 Fifth metatarsal base fracture (zone 1) Vinod Kumar Panchbhavi	<b>541</b>	Index	<b>627</b>
7.10 Fifth metatarsal base fracture (zone 2) Andrew K Sands, Selene G Parekh, Joseph Tracey, Christopher E Gross	<b>549</b>		