Contents

Acknowledgments vii
Contributor viii

1 Rationale for transplantation 1
2 Types of transplantation 3
3 Human leukocyte antigen matching in allogeneic transplantation 6
4 Stem cell source 9
5 Pretransplant evaluation and counseling of patient and donor 15
6 Conditioning regimens 21
7 Stem cell infusion 31
8 ABO compatibility 34
9 Engraftment 39
10 Preventative care 40
11 Transplant-related complications 47
12 Overview of acute and chronic graft-versus-host disease 48
13 Acute graft-versus-host disease and staging 50
14 Graft-versus-host disease prophylactic regimens 53
15 Treatment guidelines for acute graft-versus-host disease 64
16 Chronic graft-versus-host disease 79
17 Engraftment syndrome 101
18 Infectious disease 103
19 Graft rejection and failure 121
20 Gastrointestinal complications 124
21 Oral health in stem cell transplantation 130
Nathaniel S. Treister
22 Pulmonary complications 154
23 Veno-occlusive disease 162
24 Special transfusion-related situations 167
<table>
<thead>
<tr>
<th>Contents</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 Cardiovascular complications</td>
<td>170</td>
</tr>
<tr>
<td>26 Neurologic complications</td>
<td>172</td>
</tr>
<tr>
<td>27 Cystitis</td>
<td>177</td>
</tr>
<tr>
<td>28 Donor lymphocyte infusion</td>
<td>179</td>
</tr>
<tr>
<td>29 Transplantation: regulation and accreditation</td>
<td>181</td>
</tr>
</tbody>
</table>

Index 182