

**SDC 2: Summary of the MDT prescriptions for procedures in 27 amputees selected for Stumpoplasty and compliance with these prescriptions in the 18 cases completed to date.**

<b>MDT prescribed action in 27 stumpoplasties</b> (n=27 )	<b>AKAs stumpoplasties requiring procedure</b> (n=10 AKAs)	<b>BKAs stumpoplasties requiring procedure</b> (n=17 BKAs)	<b>MDT prescription: Surgical action in 18 stumpoplasties completed to date.</b> (n=18 stumpoplasties of 27 cohort)  <b>Compliance with original MDT prescription at operation.</b>
<b>Bone procedures: overall</b> Total 59%: 16/27	40%: 4/10 AKAs	71%: 12/17 BKAs	10/18 prescribed 10 performed  <b>Total compliance with MDT prescription</b>
<b>Minor adjustment bone tip profile for prominence alone</b> Total 41%: 11/27  <ul style="list-style-type: none"> <li>• Bevel alone 2/27</li> <li>• Shorten and Bevel 9/27</li> </ul>	Total 30%: 3/10 AKAs  <ul style="list-style-type: none"> <li>• Bevel alone: 0/10</li> <li>• Shorten and Bevel: 3/10</li> </ul>	Total 47%: 8/17 BKAs  <ul style="list-style-type: none"> <li>• Bevel alone: 2/17</li> <li>• Shorten and Bevel: 6/17</li> </ul>	6/18 prescribed 8 performed  2 additional BKAs: shorten + bevelled  <b>Two cases added above MDT prescription</b>
<b>Bone prominence associated with soft tissue paucity stump tip: correction by minor bone shortening</b> Total 33%: 9/27	30%: 3/10 AKAs	35%: 6/17 BKAs	6/18 prescribed 6 done  <b>Total compliance with MDT prescription</b>

<p><b>True Shortening bone length</b> Total 22%: 6/27</p> <ul style="list-style-type: none"> <li>• Debridement for infection: 4/27</li> <li>• Bone technically too long: 2/27</li> </ul>	<ul style="list-style-type: none"> <li>• No AKAs</li> <li>• 20%: 2/10 AKAs</li> </ul>	<ul style="list-style-type: none"> <li>• 24%: 4/17 BKAs <b>One case referred to another facility for revision amputation BKA to AKA</b></li> <li>• No BKAs</li> </ul>	<p>3/18 prescribed 2 prescribed cases done (1 shorten, 1 decorticated) 1 deferred (bereaved)</p> <p><b>Variable compliance with original prescription</b></p> <ul style="list-style-type: none"> <li>• One case added: shortened for silent OM</li> <li>• Total cases of infection in cohort 19%: 5/27.</li> <li>• Total operated to date 4/27</li> </ul> <p>2/18 prescribed 2 performed</p> <p><b>Total compliance with MDT prescription</b></p>
<p><b>Suspicion of Osteomyelitis</b> Total 15%: 4/27</p>	<p>No AKAs</p>	<p>24%: 4/17 BKAs <b>One case referred to another facility for revision amputation BKA to AKA</b></p>	<p>4/18 prescribed 4 performed but only one case follows the MDT prescription.</p> <p><b>Variable compliance with original prescription:</b></p> <ul style="list-style-type: none"> <li>• <b>One case deferred:</b> Bereaved</li> <li>• <b>One case patient changes care:</b> decortication only as rejects bone shortening</li> </ul>

			<ul style="list-style-type: none"> <li>• <b>One case changes amputation level:</b> Referral to another unit</li> <li>• <b>One additional case:</b> Silent OM not detected at original MDT screening but later.</li> </ul> <p>All cases returned +ve cultures on bone biopsies.</p>
<b>Change of level of amputation</b> Total: 4%: 1/27	No AKAs	6%: 1/17 BKAs	<p>Patient not amongst 18 stumpoplasties performed</p> <p>Sent to another unit for re-amputation in accordance with National policy.</p> <p><b>Compliant with MDT prescription but in another unit.</b></p>
<b>Removal of fibular remnant or trim</b> Total 30%: 8/27	Not applicable to AKAs	47%: 8/17 BKAs	<p>2/18 prescribed (1x remove/1x trim) 4 performed (3 x removed/ 1x trimmed)</p> <p><b>2 removals added</b>  <b>Two MDT decisions changed:</b> simple cut back of CPN alone was changed to removal fibular remnant and cut back CPN</p>
<b>Correction Knee contracture</b> Total 11%: 3/27	Not applicable to AKAs	18%: 3/17 BKAs  3 <sup>rd</sup> Knee contracture presents is the case for change of amputation level: ankylosis of the knee	<p>2/18 releases prescribed 2 contracture releases performed</p> <p><b>Total compliance with MDT prescription</b></p>

<b>Soft tissue procedure: all soft tissues</b> Total 100%: 27/27	All AKAs	All BKAs	All 18 case prescribed 18 soft tissue interventions performed  <b>Total compliance with MDT prescription</b>
<b>Excise of the primary amputation scar at the time of revision surgery</b> Total 85%: 23/27	100%: 10/10	76%: 13/17	17/18 predicted cases 17 stumps had scars were excised  <b>Total compliance with MDT prescription</b>
<b>Revision of stump soft tissue contour</b> Total 66%: 18/27	All AKAs 100%: 10/10	47%: 8/17 BKAs	13/18 cases prescribed 13 re-contouring cases performed  <b>Total compliance with MDT Prescription</b>
<b>Debulking of Soft Tissue excess</b> Total 26% 7/27	70%: 7/10 AKAs	No BKAs	5/18 prescribed 5/18 performed  <b>Total compliance with MDT Prescription</b>
<b>Stump tip revision to enhance soft tissue padding</b> Total 44%: 12/27  11/12 require bone shortening to allow soft tissue redistribution (9 associated with bone prominence. 2	40%: 4/10 AKAs	47%: 8/17  6 of the 8 BKAs are short stumped	10/18 predicted cases 10 cases revised for tip padding issues  9 with bone shortening 1 without bone revision

associated with lack of ST mobility)  1/12 require ST redistribution alone: no bone shortening			<b>Total compliance with MDT prescription</b>
<b>Revision of the Myodesis/Myoplasty in AKAs</b> Total 19%: 5/27  3 cases for weakness muscle sling 2 cases for access to femoral tip.	50%: 5/10 AKAs	Not applicable to BKA	4 /18 predicted 4 Myodesis/ myoplasty performed  <b>Total compliance with MDT Prescription</b>
<b>Excision of skin graft on weight bearing area stump</b> Total 15%: 4/27	10%: 1/10 AKAs	18%: 3/17 BKAs	4/18 predicted cases for excision graft 4 performed: 3 complete graft excision 1 partial graft excision  <b>Total compliance with MDT prescription</b>
<b>Revision of cutaneous crypt</b> Total 11%: 3/27	10%: 1/10 AKAs	12%: 2/17 BKAs	3 cases prescribed 3 cases performed.  <b>Total compliance with MDT prescription</b>
<b>Removal of Shrapnel foreign body</b> Total 7%: 2/27	0%: 0/10 AKAs	12%: 2/17 BKAs  An additional BKA presents with shrapnel as an incidental finding at stumpoplasty surgery.	2 cases predicted 2 cases had shrapnel removed  <b>MDT prescription was followed for the 2 cases above</b>  <b>A 3<sup>rd</sup> additional case was incidental</b>
<b>Neuromas</b> Total 33%: 9/27	30%: 3/10 AKAs	35%: 6/17 BKAs	5/18 predicted cases 5 cases performed

			<p><b>Total compliance</b> with MDT Prescription for symptomatic Neuromas (7 neuromas localised in 5 stumps)</p> <p><b>Additional 9 asymptomatic structural neuromas were localised</b> and cut back in the 5 stumps operated.</p>
<p><b>CPN hypersensitivity and CPN cutback.</b> Total 33%: 9/27</p>	Not applicable AKAs	53%: 9/17 BKAs	<p>4/18 cases prescribed CPN cut back 4 cases performed</p> <p><b>Total compliance</b> with MDT prescription and CPN care</p>
<p><b>Decision to leave or excise fibular remnant in cases of CPN hypersensitivity</b> Total 33%: 9/12 have a fibular remnant</p> <ul style="list-style-type: none"> <li><b>Excision fibular remnant</b> Total 26%: 7/27 7 cases with CPN hypersensitivity are prescribed removal or trimming fibular remnant</li> </ul>	Not applicable AKAs	41%: 7/17 BKAs	<p>4/18 cases prescribed CPN cut-back for hypersensitivity with decision on fibular remnant 4 cases performed</p> <p>MDT prescription for fibula 1/18 for fibular remnant removal 1/18 case fibular shortening 2/18 leave fibular remnant in situ</p> <p>At stumpoplasty: fate of fibula 3/18 fibular remnants are excised 1/18 fibular remnant is shortened</p>

<ul style="list-style-type: none"> <li>• <b>Leave fibula remnant in situ</b></li> </ul> <p>Total 11%: 2/27 2 cases prescribed to leave fibular remnant in situ</p>	Not applicable	12%: 2/17 BKAs	<p><b>Variable compliance</b> 2 cases are compliant to MDT prescription. Fibular remnant removal performed in 2 cases outside of MDT prescription.</p>
<p><b>Excision of sinus and tract at time of OM surgical treatment</b></p> <p>Total 15%: 4/27</p>	No AKA with OM	<p>24%: 4/17 BKAs</p> <p>Three cases were booked stumpoplasty but one defers his OM care</p> <p>4th case will change amputation level in another unit.</p>	<p>2 cases prescribed excision of sinus 2 case performed</p> <p><b>Total compliance with MDT prescription</b></p>