Supplementary Material

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Summary of judgements tables

Recommendation 1 - In a person with diabetes without a foot ulcer, take a relevant history for peripheral artery disease, examine the foot for signs of ischaemia and palpate the foot pulses at least annually, or with any change in clinical status of the feet. (Strong recommendation, low certainty of evidence)

CRITERIA			JUDGEMENTS							
Desirable Effects	Trivial	Small	Small		Moderate		ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large	Moderate	2	Small		Triv	vial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low	Low		Modera	te	Hig	h	No incluc	led studies	High/moderate/low
Values	Important uncertainty or variability	uncertair	Possibly important uncertainty or variability		ant Probably no important		important certainty or iability			High/moderate/low
Balance of effects	Favours the comparison	Probably favours the comparison	Does not far		Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Moderate cos		le costs	Moderate savings		Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low	Low		Modera	te	Hig	h	No incluc	led studies	High/moderate/low
Cost effectiveness	Favours the comparison	Probably favours the comparison	Does no either th interver the com	ntion or	Probably favours the intervention	•	Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced	Probably reduced	Probabl impact	y no	Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No	Probably	no	Probabl	Probably yes			Varies	Don't know	High/moderate/low
Feasibility	No	Probably	no	Probabl	y yes	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment
Desirable Effects	Large	Diagnosis of disease will affect patient management. Evidence for the diagnostic accuracy of pulse palpation for PAD in people with diabetes without DFU is limited with two studies of low quality demonstrating, there is a small increase in ability to rule disease in where a foot pulse is absent or weak. Other clinical examinations that may be associated with PAD including hair loss, muscle atrophy and reduced peripheral skin temperature. These factors have been shown to be associated with a small increase in the likelihood of PAD
Undesirable Effects	Small	The presence of pulses does not exclude disease. It should be noted that these clinical examinations are highly subjective and such findings may also be associated with neuropathy. PAD may also be asymptomatic or have an atypical presentation in people with diabetes as in other elderly or at risk populations
Certainty of evidence	Low	Included studies were of low quality. Potential for bias was related to the lack of confirmed consecutive recruitment of participants, lack of reporting of participant characteristics, a lack of description of blinding of assessors of the index test to the reference standard and vice versa, partial verification bias from restricting reference testing to those with abnormal index tests, and uncertainty over the interval between the tests. With respect to the index test and reference standard, the primary concerns were a lack of description of methodology to undertake the measurements and threshold values used to classify disease status
Values	No important uncertainty or variability	The Working Group were of the opinion that a person with diabetes will value diagnosis of PAD over undiagnosed disease. Multiple therapies are available to manage disease and effective management will reduce the risk of other cardiovascular events and improve DFU healing outcomes
Balance of effects	Probably favours intervention	Evidence suggests small capacity for tests to rule disease in and out and therefore they are of benefit in diagnosing presence of PAD
Resources required	Negligible costs and savings	Tests are of negligible cost to perform but have limited capacity to rule disease in and out and therefore may generate some savings through early diagnosis
Certainty of evidence of required resources	Low	Limited resources are required to implement these tests, they require no equipment and can be applied by a wide range of practitioners. This judgement is based on expert opinion of the Working Group

Cost effectiveness	Unknown	The Working Group consider there was a lack of direct or indirect evidence to draw conclusions due to variability in health care systems globally
Equity	Probably increased	As there is limited accuracy but these tests can be applied on a broad scale at low cost relative to invasive testing, the Working Group considered it is likely to increase health equity
Acceptability	Yes	It would be acceptable to people with diabetes and practitioners as the testing is non-invasive, quick and can be applied by a range of health practitioners
Feasibility	Yes	It would be feasible to undertake testing on patients with diabetes with DFU. This relates to no equipment being required, the lack of involvement of specialised services in application of the tests and the wide range of practitioners that can apply these tests

Recommendation 2 - In a person with diabetes without a foot ulcer, if peripheral artery disease (PAD) is suspected, consider performing pedal Doppler waveforms in combination with ankle brachial index (ABI) and toe brachial index (TBI). No single modality has been shown to be optimal for diagnosis of PAD and there is no value above which PAD can be excluded. However, PAD is less likely in the presence of ABI 0.9-1.3, TBI \geq 0.70, and triphasic or biphasic pedal Doppler waveforms. (Conditional, low)

CRITERIA			JUDGEMENTS								IMPACT
Desirable Effects	Trivial	Si	mall Moderate		te	Large		Varies	Don't know	High/moderate/low	
Undesirable Effects	Large	N	/loderate		Small		Triv	/ial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low	Lo	ow		Modera	te	Hig	h	No includ	ed studies	High/moderate/low
Values	Important	P	ossibly impo	ortant	Probably	y no	No	important			High/moderate/low
	uncertainty or	u	ncertainty o	or	importa	nt	und	certainty or			
	variability	Vä	ariability		uncertai	nty or	var	iability			
					variabili [.]	ty					
Balance of effects	Favours the	Probal	bly	Does not	t favour	Probably		Favours the	Varies	Don't know	High/moderate/low
	comparison	favour	rs the	either th	е	favours the		intervention			
		compa	arison	interven	tion or	intervention					
				the com	parison						
Resources required	Large costs	Moder	rate costs	Negligib	le costs	Moderate		Large savings	Varies	Don't know	High/moderate/low
				and savi	ngs	savings					
Certainty of evidence	Very low	Lo	ow		Modera	te	Hig	h	No includ	ed studies	High/moderate/low
of required resources								-		-	
Cost effectiveness	Favours the	Probal	bly	Does not	t favour	Probably		Favours the	Varies	Don't know	High/moderate/low
	comparison	favour	rs the	either th	e	favours the	avours the intervention				
		compa	arison	interven	tion or	intervention					
				the com	parison						
Equity	Reduced	Probal	•	Probably	/ no	Probably		Increased	Varies	Don't know	High/moderate/low
		reduce		impact	1	increased					
Acceptability	No	Р	robably no		Probably	y yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No	P	robably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment
Desirable Effects	Large	Diagnosis of disease will affect patient management. In people with diabetes an ABI of < 0.90 is associated with a moderate to large increase in likelihood of PAD, a value between 0.9-1.3 does not rule out PAD. A TBI < 0.70 and toe pressures are associated with a moderate ability to rule PAD in and out however toe pressure threshold values vary between studies
Undesirable Effects	Small	False positive and false negative rates vary according to test type and capacity of tests to rule disease in and out is moderate. When used in combination this may reduce the likelihood of undetected disease however further research is needed to confirm this
Certainty of evidence Low		Included studies were of low quality. Potential for bias was related to the lack of confirmed consecutive recruitment of participants, lack of reporting of participant characteristics, a lack of description of blinding of assessors of the index test to the reference standard and vice versa, partial verification bias from restricting reference testing to those with abnormal index tests and uncertainty over the interval between the tests. With respect to the index test and reference standard, the primary concerns were a lack of description of methodology to undertake the measurements and threshold values used to classify disease status
Values	Probably important uncertainty or variability	The Working Group were of the opinion that a person with a DFU will value diagnosis of PAD over undiagnosed disease. Multiple therapies are available to manage disease and effective management will reduce the risk of other cardiovascular events and improve DFU healing outcomes
Balance of effects	Favours intervention	Evidence suggests moderate capacity for tests to rule disease in and out and therefore they are of benefit in diagnosing the presence of PAD
Resources required	Moderate savings	Tests are of low to moderate cost to perform in high and middle income countries (depending on test selection) and have a moderate capacity to rule disease in and out and are therefore likely to generate savings through early diagnosis.
Certainty of evidence of required resources	Low	Limited resources are required to implement these tests, they require relatively low cost equipment and can be applied by a wide range of practitioners. This judgement is based on the expert opinion of the Working Group

Cost effectiveness	Unknown	The Working Group consider there was a lack of direct or indirect evidence to draw conclusions due to variability in health care systems globally
Equity	Probably increased	As there is moderate accuracy and these tests can be applied on a broad scale at low cost relative to invasive testing the Working Group considered it is likely to have a moderate impact on health equity
Acceptability	Yes	It would be acceptable to people with diabetes and practitioners as the testing is non-invasive, quick and can be applied by a range of health practitioners
Feasibility	Yes	It would be feasible to undertake testing on patients with diabetes. This relates to the low cost of equipment, the lack of involvement of specialised services in the application of the tests and the wide range of practitioners that can apply these tests

Recommendation 3 - In a person with diabetes and a foot ulcer or gangrene, take a relevant history for peripheral artery disease, examine the person for signs of ischaemia and palpate the foot pulses. (Strong, low)

CRITERIA			JUDGEMENTS								
Desirable Effects	Trivial	Small	Small		Moderate		ge	Varies	Don't know	High/moderate/low	
Undesirable Effects	Large	Moderate		Small		Triv	vial	Varies	Don't know	High/moderate/low	
Certainty of evidence	Very low	Low		Modera	te	Hig	h	No includ	led studies	High/moderate/low	
Values	Important uncertainty or variability		Possibly important uncertainty or variability		important uncertainty or		important certainty or iability			High/moderate/low	
Balance of effects	Favours the comparison	Probably favours the comparison	variabil Does not favour either the intervention or the comparison		Probably favours the intervention	1	Favours the intervention	Varies	Don't know	High/moderate/low	
Resources required	Large costs	Moderate costs			Moderate savings		Large savings	Varies	Don't know	High/moderate/low	
Certainty of evidence of required resources	Very low	Low		Modera	Ŭ	Hig	h	No includ	led studies	High/moderate/low	
Cost effectiveness	Favours the comparison	Probably favours the comparison	rs the either the		favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low	
Equity	Reduced	Probably reduced	Probably impact	y no	Probably increased		Increased	Varies	Don't know	High/moderate/low	
Acceptability	No	Probably no	·	Probabl	Probably yes			Varies	Don't know	High/moderate/low	
Feasibility	No	Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low	

CRITERIA	Judgement	Comment
Desirable Effects	Large	Diagnosis of disease will affect patient management. Evidence for the diagnostic accuracy of pulse palpation for PAD in people with diabetes without DFU is limited with one study of low quality demonstrating, there is a small increase in ability to rule disease in where a foot pulse is absent or weak. Other clinical examinations that may be associated with PAD include hair loss, muscle atrophy and reduced peripheral skin temperature. These factors have been shown to be associated with a small increase in the likelihood of PAD
Undesirable Effects	Small	The presence of pulses does not exclude disease. It should be noted that these clinical examinations are highly subjective and such findings may also be associated with neuropathy. PAD may also be asymptomatic or have an atypical presentation in people with diabetes as in other elderly or at risk populations
Certainty of evidence	Low	Included study was of low quality. Potential for bias was related to the lack of confirmed consecutive recruitment of participants, lack of reporting of participant characteristics, a lack of description of blinding of assessors of the index test to the reference standard and vice versa, partial verification bias from restricting reference testing to those with abnormal index tests, and uncertainty over the interval between the tests. With respect to the index test and reference standard, the primary concerns were a lack of description of methodology to undertake the measurements and threshold values used to classify disease status
Values	No important uncertainty or variability	The Working Group were of the opinion that a person with a DFU will value diagnosis of PAD over undiagnosed disease. Multiple therapies are available to manage disease and effective management will reduce the risk of other cardiovascular events and improve DFU healing outcomes
Balance of effects	Probably favours intervention	Evidence suggests small capacity for tests to rule disease in and out and therefore they are of benefit in diagnosing the presence of PAD
Resources required	Negligible costs and savings	Test is of negligible cost to perform but have limited capacity to rule disease in and out and are therefore unlikely to generate significant savings when used in isolation
Certainty of evidence of required resources	Low	Limited resources are required to implement these tests, they require no equipment and can be applied by a wide range of practitioners. This judgement is based on expert opinion of the Working Group

Cost effectiveness	Unknown	The Working Group consider there was a lack of direct or indirect evidence to draw conclusions due to variability in health care systems globally
Equity	Probably increased	As there is limited accuracy but these tests can be applied on a broad scale at low cost relative to invasive testing the Working Group considered it is likely to increase health equity
Acceptability	Yes	It would be acceptable to people with DFU and practitioners as the testing is non-invasive, quick and can be applied by a range of health practitioners
Feasibility	Yes	It would be feasible to undertake testing on patients with diabetes with DFU. This relates to the fact that no equipment is required, the lack of involvement of specialised services in the application of the tests and the and wide range of practitioners that can apply the tests

Recommendation 4 - In a person with diabetes and a foot ulcer or gangrene, evaluate pedal Doppler waveforms in combination with ankle brachial index (ABI) and toe brachial index (TBI) measurements to identify the presence of peripheral artery disease (PAD). No single modality has been shown to be optimal for the diagnosis of PAD, and there is no value above which PAD can be excluded. However, PAD is less likely in the presence of ABI 0.9-1.3; TBI \geq 0.70; and triphasic or biphasic pedal Doppler waveforms. (Strong, low)

CRITERIA	JUDGEMENTS									IMPACT
Desirable Effects	Trivial	Small	Small		Moderate		ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large	Moderate		Small		Triv	/ial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low	Low		Modera	te	Hig	h	No includ	ed studies	High/moderate/low
Values	Important uncertainty or variability		Possibly important P uncertainty or in variability u		t Probably no important		important certainty or iability			High/moderate/low
Balance of effects	Favours the comparison	Probably favours the comparison	Does no either th interven the com	t favour ne ntion or	Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Moderate costs	Negligib and savi	le costs	Moderate savings		Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low	Low		Modera		Hig	h	No includ	ed studies	High/moderate/low
Cost effectiveness	Favours the comparison	Probably favours the comparison	Does no either th interven the com	ne Ition or	Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced	Probably reduced	Probabl ^y impact	y no	Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No	Probably no)	Probabl	y yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No	Probably no)	Probabl	• •	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment
Desirable Effects	Large	Diagnosis of disease will affect patient management. In people with DFU an ABI of < 0.90 is associated with a moderate to large increase in the likelihood of PAD, a value between 0.9-1.3 does not rule out PAD. A TBI < 0.70 and toe pressures are associated with a moderate ability to rule PAD in and out however toe pressure threshold values vary between studies
Undesirable Effects	Small	Rates of false positive and false negative vary according to test type and capacity of tests to rule disease in and out is moderate. When used in combination this may reduce the likelihood of undetected disease, however further research is needed to confirm this
Certainty of evidence Low		Included studies were of low quality. Potential for bias was related to the lack of confirmed consecutive recruitment of participants, lack of reporting of participant characteristics, a lack of description of blinding of assessors of the index test to the reference standard and vice versa, partial verification bias from restricting reference testing to those with abnormal index tests and uncertainty over the interval between the tests. With respect to the index test and reference standard, the primary concerns were a lack of description of methodology to undertake the measurements and threshold values used to classify disease status
Values	Probably important uncertainty or variability	The Working Group were of the opinion that a person with a DFU will value diagnosis of PAD over undiagnosed disease. Multiple therapies are available to manage disease and effective management will reduce the risk of other cardiovascular events and improve DFU healing outcomes
Balance of effects	Favours intervention	Evidence suggests moderate capacity for tests to rule disease in and out and therefore they are of benefit in diagnosing presence of PAD
Resources required	Moderate savings	Tests are of low to moderate cost to perform in high and middle income countries (depending on test selection) and have a moderate capacity to rule disease in and out and are therefore likely to generate savings through early diagnosis
Certainty of evidence of required resources	Low	Limited resources are required to implement these tests, they require relatively low cost equipment and can be applied by a wide range of practitioners, This judgement is based on the expert opinion of the Working Group

Cost effectiveness	Unknown	The Working Group consider there was a lack of direct or indirect evidence to draw conclusions due to variability in health care systems globally							
Equity	Probably increased	As there is moderate accuracy and these tests can be applied on a broad scale at low cost relative to invasive testing the Working Group considered it is likely to have a moderate impact on health equity							
Acceptability	Yes	It would be acceptable to people with DFU and practitioners as the testing is non-invasive, quick, and can be applied by a range of health practitioners							
Feasibility	Yes	It would be feasible to undertake testing on patients with diabetes with DFU. This relates to the low cost of equipment, the lack of involvement of specialised services in the application of the tests and the wide range of practitioners that can apply these tests							

Recommendation 5- Best Practice Statement: In a person with diabetes without a foot ulcer in whom a non-emergency invasive foot procedure is being considered, peripheral artery disease should be excluded by performing assessment of pedal Doppler waveforms in combination with ankle brachial index and toe brachial index.

CRITERIA					JU	DGEMENTS					IMPACT		
Desirable Effects	Trivial		Small		Modera	te	Lar	ge	Varies	Don't know	High/moderate/low		
Undesirable Effects	Large		Moderate		Small	Small		vial	Varies	Don't know	High/moderate/low		
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No includ	ed studies	High/moderate/low		
Values	Important uncert or variability	tainty		Possibly important uncertainty or variability		important uncertainty		important certainty or iability			High/moderate/low		
Balance of effects	Favours the comparison		bably favours comparison			the intervention		Favours the intervention	Varies	Don't know	High/moderate/low		
Resources required	Large costs	Мо	derate costs		Negligible costs Moderate and savings savings			Large savings	Varies	Don't know	High/moderate/low		
Certainty of evidence of required resources	Very low		Low		Moderate				No includ	ed studies	High/moderate/low		
Cost effectiveness	Favours the comparison		bably favours comparison	Does not either th interven the com	e tion or			Probably favours the intervention		Favours the intervention		Don't know	High/moderate/low
Equity	Reduced		bably uced	Probably impact		Probably increased		Increased	Varies	Don't know	High/moderate/low		
Acceptability	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low		
Feasibility	No		Probably no		Probably	y yes	Yes		Varies	Don't know	High/moderate/low		

CRITERIA	Judgement	Comment						
Desirable Effects	Moderate	Diagnosis of PAD will help determine whether non-emergency surgery is suitable for the patient or not, however this is limited by the diagnostic accuracy of individual tests. Bedside testing generally has moderate ability to diagnose PAD or to exclude this disease in people with diabetes mellitus. Any abnormal test result should be considered indicative of PAD. Therefore, it is suggested this recommendation will reduce the risk of undiagnosed severe PAD which would potentially negatively affect post-surgical outcome						
Undesirable Effects	Small	False positive and false negative rates vary according to test type and the capacity of tests to rule disease in and out is moderate. When used in combination this mared reduce the likelihood of undetected disease however further research is needed to confirm this. Delayed diagnosis or non-healing may occur if surgery is undertaken in a limb with PAD. Therefore, it is suggested this recommendation will reduce the risk of undiagnosed severe PAD which would potentially negatively affect post- surgical outcomes and it is likely that people will value this approach						
Certainty of evidence	Low	Based on indirect evidence and expert opinion, no randomised controlled trials (for ethical reasons) or observational studies of sufficient quality have been performed on the added value of performing bedside tests prior to any surgical procedure in the foot						
Values	No important uncertainty or variability	Patients will value healing over non-healing therefore diagnosis of PAD prior to non-emergency surgery will potentially avoid negative post-surgical outcomes and it is likely this will be valued by the patient						
Balance of effects	Probably favours intervention	Evidence suggests moderate diagnostic accuracy of bedside testing for PAD						
Resources required	Moderate savings	Bedside tests are low cost to perform and have moderate effectiveness of identifying those with PAD, and are therefore likely to generate savings identifying individuals for whom surgery is contraindicated based on vascular supply						
Certainty of evidence of required resources	No included studies	Not assessed						
Cost effectiveness	Unknown	Unknown						
Equity	Probably increased	As there is moderate effectiveness and these tests can be applied on a broad scale at low cost, it is likely to have a moderate impact on health equity						

Acceptability	Yes	It would be acceptable as the testing is non-invasive and can be applied by a range
		of health practitioners
Feasibility	Yes	It would be feasible to undertake testing on patients with diabetes with DFU. This
		relates to the low cost of equipment, the lack of involvement of specialised
		services in the application of the tests and the and wide range of practitioners that
		can apply these tests on patients being considered for non-emergency foot surgery

Recommendation 6 - In a person with diabetes and a foot ulcer or gangrene, consider performing ankle pressures and ankle brachial index (ABI) measurements to assist in the assessment of likelihood of healing and amputation. Ankle pressure and ABI are weak predictors of healing. A low ankle pressure (e.g., < 50 mmHg) or ABI (e.g., < 0.5) may be associated with greater likelihood of impaired healing and greater likelihood of major amputation. (Conditional, low)

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera	Moderate		ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate S		Small		Trivial		Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No includ	led studies	High/moderate/low
Values	Important uncertainty or variability		uncertainty or in variability u		important		No important uncertainty or variability				High/moderate/low
Balance of effects	Favours the comparison	favo	bably ours the oparison	Does not fave either the intervention the comparis		e favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Mo	derate costs	Negligibl and savi				Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low		Low		Modera		High		No included studies		High/moderate/low
Cost effectiveness	Favours the comparison	favo	bably ours the oparison	Does not either th interven the com	ne tion or	favours the on or intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced		bably uced	Probably impact	y no	no Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No		Probably no		Probably	Probably yes			Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probably	Probably yes			Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment						
Desirable Effects	Moderate	Increased the pre-test probability of healing by a small amount. One study of low quality indicated that a very low ABI (< 0.4) can increase the pre-test probability of major amputation by a large amount (45%). There are other non-invasive tests that seem to perform better but these tests are not implemented as widely. Thresholds for AP and ABI which were associated with increased probability of healing could not be identified, however a very low ankle pressure (e.g., < 50 mmHg) or ABI (e.g., < 0.5) was associated with a greater likelihood of delayed healing						
Undesirable Effects	Small	It was considered that is unlikely an ABI or AP will cause undesirable effects particularly when used in combination with other forms of bedside testing.						
Certainty of evidence	Low	We determined this to be low certainty due to high risk of bias and low quality of included studies						
Values	No important uncertainty or variability	Patients are likely to value ability to predict healing and to the contribution this makes to preventing delays in referral for revascularisation						
Balance of effects	Probably favours comparison	Some evidence suggests limited predicative capacity of both tests for healing outcomes therefore particularly if no other tests are available or if AP or ABI is being used in combination with other tests this may be useful. A low ABI has been shown to result in a large increase in pre-test probability of major amputation however this is based on one study of low quality						
Resources required	Negligible costs/savings	AP and ABI are low cost to perform in high and middle income countries but if limited in effectiveness unlikely to generate significant savings, (low cost relative to other tests (invasive) and TcPO ₂ /SPP for the same outcome)						
Certainty of evidence of required resources	Low	Limited resources required, relatively low cost equipment, can be applied by a wide range of practitioners. This judgement is based on the expert opinion of the guideline group						
Cost effectiveness	Do not know	No direct or indirect evidence to draw conclusions due to variability in health care systems globally						
Equity	Probably increased	Likely to reduce direct costs related to more expensive invasive tests e.g., angiogram. AP and ABI are also less expensive than other forms of bedside testing						
Acceptability	yes	It would be acceptable even though of limited use to undertake ABI/AP testing on patients with DFU as the testing is quick and non-invasive						
Feasibility	Yes	It would be feasible to undertake ABI/ AP testing on patients with DFU						

Recommendation 7 - In a person with diabetes and a foot ulcer or gangrene consider performing a toe pressure measurement to assess the likelihood of healing and amputation. A toe pressure \geq 30 mmHg increases the pre-test probability of healing by up to 30% and a value < 30 mmHg increases the pre-test probability of major amputation by approximately 20%. (Conditional, low)

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera ⁻	Moderate L		ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate		Small	Small Tr		vial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low		Modera	e	Hig	ŗh	No incluc	led studies	High/moderate/low
Values	Important uncertainty or variability		uncertainty or variability		important <mark>u</mark>		un	important certainty or iability			High/moderate/low
Balance of effects	Favours the comparison	fav	bably Does no ours the either the nparison interver		e favours the		1	Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Mo	derate costs	Negligib and savi	ole costs Moderate			Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low		Low		Moderate		High		No included studies		High/moderate/low
Cost effectiveness	Favours the comparison	fav	bably ours the oparison	Does no either th interven the com	favours the favours the intervention			Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced		bably uced	Probably impact	y no	no Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No		Probably no	•	Probably	yes	Yes	5	Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probabl	Probably yes		5	Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment						
Desirable Effects	Moderate	In people with DFU and PAD a TP ≥ 30 mmHg may be associated with an increased pre-test probability of DFU and post-minor amputation healing of at least 30% and a TP < 30 mmHg may be associated with a small increase (15%) in pre-test probability of major amputation						
Undesirable Effects	Small	It was considered unlikely that TP will cause undesirable effects, particularly considering it significantly increases pre-test probability of healing for DFU and post-minor amputation and that it can be used in combination with other forms of bedside testing						
Certainty of evidence	Low	We determined this to be low certainty due to few studies with high risk of bias and of low quality						
Values	No important uncertainty or variability	Patients are likely to value the ability to predict healing and the contribution this makes to preventing delays in referral for revascularisation						
Balance of effects	Probably favours intervention	Evidence suggests moderate predicative capacity of both tests for healing outcomes (see desirable effects						
Resources required	Moderate savings	TP are low cost to perform (although it is acknowledged more expensive than ABI), particularly relative to invasive procedure (e.g., digital subtraction angiography). Given TP has moderate effectiveness of identifying those unlikely to heal, based on expert opinion, it was considered use of this test is likely to generate savings						
Certainty of evidence of required resources	No included studies	Not assessed						
Cost effectiveness	Favours the intervention	TP are low cost to perform and have moderate effectiveness						
Equity	Probably increased	As there is moderate effectiveness and these tests can be applied on a broad scale at low cost is likely to have a moderate impact on health equity						
Acceptability	Yes	It would be acceptable to both patients and health practitioners as the testing is quick and non-invasive						
Feasibility	Yes	It would be feasible to undertake TP testing on patients with DFU						

Recommendation 8 - In a person with diabetes and a foot ulcer or gangrene, if a toe pressure cannot be performed, consider performing a transcutaneous oxygen pressure (TcPO2) measurement or a skin perfusion pressure (SPP) to assess likelihood of healing. A TcPO₂ \ge 25 mmHg increases the pre-test probability of healing by up to 45% and value < 25 mmHg increases the pre-test probability of major amputation by approximately 20%. A SPP \ge 40 mmHg, increases the pre-test probability of healing by up to 30%. (Conditional, low)

CRITERIA			0 17 1		JU	DGEMENTS					IMPACT	
Desirable Effects	Trivial		Small		Modera	te	Lar	ge	Varies	Don't know	High/moderate/low	
Undesirable Effects	Large		Moderate	Moderate			Triv	rial	Varies	Don't know	High/moderate/low	
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No includ	led studies	High/moderate/low	
Values	Important uncertainty or variability		, ,	Possibly important P uncertainty or ir		ortant Probably no or important		No important uncertainty or variability				High/moderate/low
					variability							
Balance of effects	Favours the comparison	fav	bably ours the nparison	the either the		the favours the ention or intervention		Favours the intervention	Varies	Don't know	High/moderate/low	
Resources required	Large costs	Mo	derate costs	Negligib and savi	le costs	costs Moderate		Large savings	Varies	Don't know	High/moderate/low	
Certainty of evidence of required resources	Very low		Low		Modera			h	No included studies		High/moderate/low	
Cost effectiveness	Favours the comparison	fav	bably ours the nparison	Does no either th interven the com	ie tion or	Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low	
Equity	Reduced		bably uced	Probably impact	<mark>/ no</mark>	Probably increased		Increased	Varies	Don't know	High/moderate/low	
Acceptability	No	•	Probably no		Probabl	/ yes	Yes	•	Varies	Don't know	High/moderate/low	
Feasibility	No		Probably no		Probabl	/ yes	Yes		Varies	Don't know	High/moderate/low	

CRITERIA	Judgement	Comment						
Desirable Effects	Moderate	Moderate capacity to predict healing. In people with DFU and PAD a TcPO ₂ \geq 25 mmHg may increase the pre-test probability of DFU healing by up to 45%, TcPO ₂ < 20 mmHg may increase the pre-test probability of minor amputation by a small amount but may not increase the pre-test probability of major amputation. This is based on one study of low quality. A SPP of \geq 40 mmHg may increase the pre-test probability of DFU healing and healing after minor amputation by up to 45% There are other non-invasive tests that perform as well TcPO ₂ or SPP and these tests are implemented more widely						
Undesirable Effects	Trivial	Unlikely an TcPO ₂ or SPP will cause undesirable effects. False positive rates very low						
Certainty of evidence	Low	We determined this to be low certainty due to few studies with high risk of bias and of low quality						
Values	No important uncertainty or variability	Patients are likely to value the ability to predict healing and the contribution this makes to preventing delays in referral for revascularisation						
Balance of effects	Probably favours intervention	Evidence suggests predicative capacity for healing outcomes, but thresholds used are variable						
Resources required	Negligible costs and savings	TcPO ₂ and SPP significant cost to perform (equipment and consumables) and require specific expertise and have a moderate effectiveness in identifying those unlikely to heal that is similar to less expensive tests, therefore are likely to generate savings						
Certainty of evidence of required resources	Moderate	Cost of equipment and expertise is greater than other available non-invasive tests (e.g., ABI)						
Cost effectiveness	Do not know	No direct or indirect evidence to draw conclusions due to variability in health care systems globally						
Equity	Probably no impact	Not as likely as other bedside tests with similar predictive capacity to reduce out of pocket expenses related to replacing more expensive tests e.g., duplex. Unlikely there will be wide access to these tests particularly in low income countries						
Acceptability	yes	It would be acceptable even though of limited use to undertake ABI/AP testing on patients with DFU as the testing is quick and non-invasive						
Feasibility	Probably no	It is not as feasible to undertake TcPO ₂ and SPP testing on patients with DFU on broad scale compared with other bedside tests with similar predictive capacity for healing. TcPO ₂ and SPP give additional information on healing potential and are useful for measuring perfusion following forefoot amputations when TP are no longer possible. However, in our opinion these are secondary tests of greater						

	expense and less equipment availability, and the time and expertise required to
	apply them

Recommendation 9 - In a person with diabetes and a foot ulcer or gangrene it is suggested the presence of peripheral artery disease and other causes of poor healing should always be assessed. Diabetes related micro-angiopathy should not be considered the primary cause of foot ulceration, gangrene, or poor wound healing without excluding other causes. (Conditional, low)

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera	Moderate L		ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate		Small		Triv	/ial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No includ	led studies	High/moderate/low
Values	Important uncertainty or variability		Possibly imp uncertainty o variability	or important uncertain		important u		important certainty or iability			High/moderate/low
Balance of effects	Favours the comparison	fav	bably ours the oparison	Does not favour either the intervention or		Probably favours the intervention	I	Favours the intervention	Varies	Don't know	High/moderate/low
			·	the com	parison	intervention					
Resources required	Large costs	Mo	derate costs	Negligibl and savi		Moderate savings		Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low		Low		Modera	te	Hig	h	No included studies		High/moderate/low
Cost effectiveness	Favours the comparison	fav	bably ours the nparison	Does not either th interven the com	ie tion or	Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced		bably uced	Probably impact	/ no	Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No		Probably no	·	Probably	y yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probably	y yes	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment
Desirable Effects	Moderate	Adequate assessment, identification, and treatment of all causes of delayed wound healing is likely to increase the likelihood of healing
Undesirable Effects	Moderate	Based on the lack of studies showing that diabetes related micro-angiopathy contributes to poor wound healing in DFU there is potential harm if this is assumed. Failure to undertake further evaluation of potential presence of PAD as well as other causes of failure to heal including infection, inadequate offloading, oedema, poor glycaemic control, poor nutritional state and underlying co-morbidities may result in delayed wound healing and or amputation
Certainty of evidence	Low	Based on a limited number of trials of low quality current data do not support the that microvascular angiopathy contributes to impaired wound healing
Values	No important uncertainty or variability	Patient will value DFU healing over non-healing
Balance of effects	Probably favours comparison	Assuming micro-angiopathy is the intervention the balance of effects favours the comparison of assessing for PAD and other causes of poor healing
Resources required	Moderate costs	Assuming presence of microangiopathy is likely to be associated with moderate cost from undiagnosed PAD and or other causes of poor healing
Certainty of evidence of required resources	No included studies	Not assessed
Cost effectiveness	Unknown	Unknown
Equity	Unknown	Unknown
Acceptability	Probably not	Assuming the presence of microangiopathy at the cost of not diagnosing other causes of poor healing is likely to be unacceptable to the patient and health practitioner
Feasibility	Don't know	Assumption of micro-angiopathy does not represent an intervention

Recommendation 10 - In a person with diabetes, peripheral artery disease and a foot ulcer or gangrene, consider using the Wound/Ischaemia/foot Infection (WIfI) classification system to estimate healing likelihood and amputation risk. (Conditional, low)

CRITERIA			JUDGEMENTS							IMPACT
Desirable Effects	Trivial	Small		Modera	Moderate		ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large	Moder	Moderate Sr			Triv	vial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low	Low		Modera	te	Hig	;h	No incluc	led studies	High/moderate/low
Values	Important	Possibl	y important	Probably	/ no	No	important			High/moderate/low
	uncertainty or	uncert	ainty or	importa	nt	un	certainty or			
	variability	variabi	lity	uncertainty or		var	iability			
				variabili	ty					
Balance of effects	Favours the	Probably	Does no	ot favour	Probably		Favours the	Varies	Don't know	High/moderate/low
	comparison	rison favours the either		he	favours the		intervention			
		comparison	interver	intervention or						
			the com	nparison						
Resources required	Large costs	Moderate c	osts Negligik	ole costs	Moderate		Large savings	Varies	Don't know	High/moderate/low
			and sav	ings	<mark>savings</mark>					
Certainty of evidence	Very low	Low		Modera	te	High		No included studies		High/moderate/low
of required resources										
Cost effectiveness	Favours the	Probably	Does no	ot favour	Probably		Favours the	Varies	Don't know	High/moderate/low
	comparison	favours the	either t	he	favours the		intervention	ion		
		comparison	interver	ntion or	intervention					
			the com	nparison						
Equity	Reduced	Probably	Probabl	y no	Probably		Increased	Varies	Don't know	High/moderate/low
		reduced	impact		increased					
Acceptability	No	Probab	ly no	Probably	y yes	Yes	5	Varies	Don't know	High/moderate/low
Feasibility	No	Probab	ly no	Probably	/ yes	Yes	3	Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment
Desirable Effects	Moderate	A high WIfI limb clinical stage is associated with longer time to healing and increased likelihood of non-healing at six and 12 months and high risk of amputation
Undesirable Effects	Small	It was considered unlikely that WIfI will cause undesirable effects
Certainty of evidence	Low	We determined this to be low certainty due to high risk of bias and low quality of included studies
Values	No important uncertainty or variability	Patients are likely to value ability to predict healing and amputation and to value the contribution this makes to preventing delays in referral for revascularisation
Balance of effects	Probably favours the intervention	A high WIfI limb clinical stage is associated with longer time to healing and increased likelihood of non-healing at six and 12 months. Higher WIfI clinical stages are also associated with an increased likelihood of major amputation. Similarly, higher WIfI clinical stages have been linked to high rates of minor amputation and lower rates of amputation free survival at 12 months. For prediction of revascularisation benefit there are few data available and inadequate evidence to determine whether WIfI revascularisation benefit staging predicts healing or amputation outcomes in people undergoing revascularisation
Resources required	Moderate savings	Given WIfI has moderate effectiveness for identifying those unlikely to heal and at risk of amputation, based on expert opinion, it was considered use of this test is likely to generate savings
Certainty of evidence of required resources	Low	Limited resources required, relatively low cost equipment, can be applied by a wide range of practitioners. This judgement is based on the expert opinion of the guideline group
Cost effectiveness	Do not know	No direct or indirect evidence to draw conclusions due to variability in health care systems globally
Equity	Probably increased	Likely to reduce direct costs related to more expensive invasive tests e.g., angiogram
Acceptability	yes	As the WIfI tool has predictive capacity for the key outcomes of wound healing and amputation in people with DFU, has wide availability (also as an online tool), and uses non-invasive bedside testing to determine the

		level of ischaemia, and clinical grading of infection and the wound, facilitating application in clinical practice by a wide range of practitioners
Feasibility	Yes	As a low cost assessment, it is expected to be feasible to apply to people with DFU and acceptable to practitioners as well as being of value to patients. Use of WIfI is likely to increase access to a form of vascular assessment in low income countries where invasive testing may not be a widely available. However further investigation of revascularisation benefit is required

Recommendation 11 - Best Practice Statement: In a person with diabetes, peripheral artery disease and a foot ulcer or gangrene who is being considered for revascularisation, evaluate the entire lower extremity arterial circulation (from aorta to foot) with detailed visualisation of the below knee and pedal arteries

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera	te	Lar	ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate		Small		Triv		Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No includ	ed studies	High/moderate/low
Values	Important		Possibly impo	ortant	Probabl	y no	No	important			High/moderate/low
	uncertainty or		uncertainty o	or	importa	nt	und	certainty or			
	variability		variability		uncerta	inty or	var	iability			
					variabili	ty					
Balance of effects	Favours the	Pro	bably	Does not	t favour	Probably		Favours the	Varies	Don't know	High/moderate/low
	comparison	favo	ours the	either th	е	favours the		intervention			
		com	nparison	intervention or		on or intervention					
				the com	parison	1					
Resources required	Large costs	Mo	derate costs	Negligib	e costs	Moderate		Large savings	Varies	Don't know	High/moderate/low
				and savi	ngs	savings	-				
Certainty of evidence of required resources	Very low		Low		Modera	te	Hig	h	No includ	ed studies	High/moderate/low
Cost effectiveness	Favours the	Pro	bably	Does not	t favour	Probably		Favours the	Varies	Don't know	High/moderate/low
	comparison	favo	ours the	either th	e	favours the		intervention			
		com	nparison	interven	tion or	intervention					
				the com	parison						
Equity	Reduced	Pro	bably	Probably	<mark>no</mark>	Probably		Increased	Varies	Don't know	High/moderate/low
		red	uced	impact		increased					
Acceptability	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment
Desirable Effects	Large	Anatomical imaging will help determine the most appropriate revascularisation strategy and is therefore likely to contribute to better surgical outcomes and help identify those unsuitable for revascularisation
Undesirable Effects	Small	Potential complications of each imaging modality and lack of diagnostic certainty in some situations e.g., medial arterial calcification
Certainty of evidence	Low	Based on indirect evidence and expert opinion
Values	No important uncertainty or variability	Patient will value additional information for planning of vascular intervention over no information. When a revascularisation is being considered, further anatomical information on the arteries of the lower limb should be obtained to assess the presence, severity, and distribution of arterial stenoses or occlusions. In this process, adequate imaging of the tibial and pedal vessels is of critical importance, particularly in planning intervention in people with diabetes and a foot ulcer
Balance of effects	Favours intervention	Based on expert opinion, surgery is successful when preceded by anatomical imaging to guide the choice of revascularisation technique
Resources required	Moderate costs	Anatomical imaging requires specialist equipment and training
Certainty of evidence of required resources	No included studies	Not assessed
Cost effectiveness	Unknown	Unknown. Each of the imaging techniques have their advantages and disadvantages and their use will depend heavily on the availability of equipment and local expertise, preferences of the individual, and associated costs
Equity	Probably no impact	Will depend on the site and whether there is the available expertise and equipment
Acceptability	Probably yes	Likely to be acceptable to the patient and health practitioner due to the improved surgical outcomes (this is based on expert opinion)
Feasibility	Probably yes	Likely to be feasible in middle to high income countries. The cost of the equipment and requirement for expertise to conduct the testing will limit the feasibility

Recommendation 12 - Best Practice Statement: In a person with diabetes, peripheral artery disease, a foot ulcer and clinical findings of ischaemia, a revascularisation procedure should be considered. Findings of ischaemia include absent pulses, monophasic or absent pedal doppler waveforms, ankle pressure < 100 mm Hg or toe pressure < 60 mm Hg. Consult a vascular specialist unless major amputation is considered medically urgent.

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Moderate		Large		Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate		Small		Triv	rial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No includ	ed studies	High/moderate/low
Values	Important uncertainty or variability		Possibly important uncertainty or variability		important L		No important uncertainty or variability				High/moderate/low
Balance of effects	Favours the comparison	favo	purs the either the parison interver		ot favour Probably the favours the ention or intervention mparison			Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Mo	derate costs		legligible costs Moderate nd savings savings			Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low	•	Low		Modera	te	Hig	h	No includ	ed studies	High/moderate/low
Cost effectiveness	Favours the comparison	favo	bably ours the oparison	s the either the		Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced		bably uced	Probably impact	<mark>/ no</mark>	Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No	•	Probably no		Probably	<mark>y yes</mark>	Yes		Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment
Desirable Effects	Large	Analysis of the evidence for revascularisation suggests that revascularisation in appropriately selected people with diabetes and haemodynamically significant PAD, can improve perfusion, expedite wound healing and reduce major limb amputations. Therefore, consultation with a vascular specialist is likely to be of benefit
Undesirable Effects	Small	Low likelihood of undesirable effects from a consultation, small possibility of inadequate or inaccurate assessment
Certainty of evidence	Low	Based on indirect evidence and expert opinion, it was judged in our systematic review that the certainty of the evidence on the effects of revascularisation on wound healing and amputation risk is low, as many important factors that can affect outcomes were not reported such as the availability of vein conduit, wound care, offloading and sufficient anatomical details about the extent and severity of lesions treated
Values	No important uncertainty or variability	People will value a consultation with a vascular specialist over no consultation. People with signs of ischaemia, e.g., as defined by WIfl and the Global Vascular Guidelines: absent pulses and monophasic or absent pedal Doppler waveforms, ankle pressure < 100 mm Hg or toe pressure < 60 mm Hg, are very likely to have significant PAD that could impact wound healing potential and amputation risk
Balance of effects	Favours intervention	Based on expert opinion consultation with a vascular specialist is likely to improve patient outcomes e.g., through timely revascularisation
Resources required	Moderate costs	Requires specialist training
Certainty of evidence of required resources	No included studies	Not assessed.
Cost effectiveness	Unknown	Based on expert opinion consultation with a vascular specialist is likely to improve patient outcomes e.g. through timely revascularisation
Equity	Probably no impact	Will depend on the site and whether there is the available expertise. More likely to have vascular consultation with specialist in middle to high income countries
Acceptability	Probably yes	Will be acceptable to the patient and health practitioner due to the improved surgical outcomes (this is based on expert opinion)
Feasibility	Probably yes	Likely to be feasible in middle to high income countries

Recommendation 13 - Best Practice Statement: In a person with diabetes, peripheral artery disease, a foot ulcer, and severe ischaemia i.e., an ankle brachial index < 0.4, ankle pressure < 50 mmHg, toe pressure < 30 mmHg or transcutaneous oxygen pressure < 30 mmHg or monophasic or absent pedal Doppler waveforms, urgently consult a vascular specialist regarding possible revascularisation.

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera	te	Lar	ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate		Small		Trivial		Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No includ	led studies	High/moderate/low
Values	Important		Possibly impo	ortant	Probabl	y no	No	important			High/moderate/low
	uncertainty or		uncertainty o	or	importa	nt	unc	ertainty or			
	variability		variability		uncerta	nty or	vari	iability			
					variabili	ty					
Balance of effects	Favours the	Pro	bably	Does not	t favour	Probably		Favours the	Varies	Don't know	High/moderate/low
	comparison	fav	ours the	either th	e	favours the		intervention			
		cor	nparison	intervention or		tion or intervention					
				the comparison							
Resources required	Large costs	Mo	derate costs	Negligibl	e costs	ts Moderate		Large savings	Varies	Don't know	High/moderate/low
				and savi	ngs	savings					
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No incluc	led studies	High/moderate/low
of required resources											
Cost effectiveness	Favours the	Pro	bably	Does not	t favour	Probably		Favours the	Varies	Don't know	High/moderate/low
	comparison	fav	ours the	either th	e	favours the		intervention			
		cor	nparison	interven	tion or	intervention					
				the com	parison						
Equity	Reduced	Pro	bably	Probably	<mark>r no</mark>	Probably		Increased	Varies	Don't know	High/moderate/low
		red	luced	impact		increased					
Acceptability	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low

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CRITERIA	Judgement	Comment
Desirable Effects	Large	Consultation with vascular specialist will have a large desirable effect (assist with determination of need for revascularisation). Severe ischaemia is defined in the Global Vascular Guidelines (GVG) as an ABI < 0.4, AP pressure < 50 mmHg, TP < 30 mmHg or TcPO ₂ < 30 mmHg or monophasic or absent pedal Doppler waveforms. Such perfusion deficits are, as also stated in the GVG, an indication for revascularisation, unless contraindicated or technically not possible
Undesirable Effects	Small	Low likelihood of undesirable effects from a consultation, small possibility of inadequate or inaccurate assessment
Certainty of evidence	Low	Based on indirect evidence and expert opinion
Values	No important uncertainty or variability	People will value consultation with specialist over no consultation.
Balance of effects	Favours intervention	Based on expert opinion consultation with vascular specialist is likely to improve patient outcomes e.g., through timely revascularisation. There is retrospective evidence demonstrating that a delay in revascularisation of more than two weeks in people with diabetes results in increased risk of limb loss
Resources required	Moderate costs	Requires specialist training
Certainty of evidence of required resources	No included studies	Not assessed
Cost effectiveness	Favours intervention	Based on expert opinion consultation with a vascular specialist is likely to improve patient outcomes e.g., through timely revascularisation
Equity	Probably no impact	Will depend on the site and whether there is the available expertise. More likely to have vascular consultation with specialist in middle to high income countries
Acceptability	Yes	Will be acceptable to the patient and health practitioner due to the improved surgical outcomes (this is based on expert opinion)
Feasibility	Probably yes	Likely to be feasible in middle to high income countries

Recommendation 14 - Best Practice Statement: In a person with diabetes, peripheral artery disease and a foot ulcer with infection or gangrene involving any portion of the foot, urgently consult a vascular specialist in order to determine the timing of a drainage procedure and a revascularisation procedure.

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small	Small		Moderate		ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate S		Small		Triv		Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No includ	led studies	High/moderate/low
Values	Important uncertainty or variability		uncertainty or i variability u		important unc		No important uncertainty or variability				High/moderate/low
Balance of effects	Favours the comparison	fav	bably ours the nparison	Does not favour either the intervention or the comparison		favours the or intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Mo	derate costs	Negligibl and savi	e costs			Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low		Low	•	Modera	-	Hig	h	No incluc	led studies	High/moderate/low
Cost effectiveness	Favours the comparison	fav	bably ours the nparison	Does not favour either the intervention or the comparison		Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced		bably uced	Probably impact	<mark>r no</mark>	Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low

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CRITERIA	Judgement	Comment						
Desirable Effects	Large	Consultation with a vascular specialist will have a large desirable effect (assist with determination of need for revascularisation). Severe ischaemia is defined in the Global Vascular Guidelines (GVG) as an ABI < 0.4, AP pressure < 50 mmHg, TP < 30 mmHg or TcPO ₂ < 30 mmHg or monophasic or absent pedal Doppler waveforms. Such perfusion deficits are, as also stated in the GVG, an indication for revascularisation, unless contraindicated or technically not possible						
Undesirable Effects	Small	Low likelihood of undesirable effects from a consultation, small possibility of inadequate or inaccurate assessment						
Certainty of evidence	Low	Based on indirect evidence and expert opinion						
Values	No important uncertainty or variability	People will value consultation with specialist over no consultation						
Balance of effects	Favours intervention	Based on expert opinion consultation with a vascular specialist is likely to improve patient outcomes e.g., through timely revascularisation. There is retrospective evidence demonstrating that a delay in revascularisation of more than two weeks in people with diabetes results in increased risk of limb loss						
Resources required	Moderate costs	Requires specialist training						
Certainty of evidence of required resources	No included studies	Not assessed						
Cost effectiveness	Favours intervention	Based on expert opinion consultation with a vascular specialist is likely to improve patient outcomes e.g., through timely revascularisation						
Equity	Probably no impact	Will depend on the site and whether there is the available expertise. More likely to have vascular consultation with specialist in middle to high income countries						
Acceptability	Yes	Will be acceptable to the patient and health practitioner due to the improved surgical outcomes (this is based on expert opinion)						
Feasibility	Probably yes	Likely to be feasible in middle to high income countries						

Recommendation 15 - Best Practice Statement: In a person with diabetes and a foot ulcer, when the wound deteriorates or fails to significantly improve (e.g., a less than 50% reduction in wound area within four weeks) despite appropriate infection and glucose control, wound care, and offloading, reassess the vascular status and consult with a vascular specialist regarding possible revascularisation.

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera	te	Lar	ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate		Small		Triv	vial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No includ	ed studies	High/moderate/low
Values	Important uncertainty or variability		Possibly important uncertainty or variability		important		No important uncertainty or variability				High/moderate/low
Balance of effects	Favours the comparison	favo	pably Does no purs the either the parison interven the com		e	favours the on or intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Mo	derate costs	Negligib and savi				Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low	•	Low		Modera	te	High		No included studies		High/moderate/low
Cost effectiveness	Favours the comparison	favo	bably ours the oparison	Does not favour either the intervention or the comparison		Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced		bably uced	Probably impact	<mark>/ no</mark>	Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No		Probably no	•	Probably	y yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment
Desirable Effects	Large	Reassessment of vascular status and consultation with vascular specialist will have a large desirable effect (assist with determination of need for revascularisation)
Undesirable Effects	Small	Low likelihood of undesirable effects from a consultation, small possibility of inadequate or inaccurate assessment.
Certainty of evidence	Low	Based on indirect evidence and expert opinion
Values	No important uncertainty or variability	People will value re-assessment and consultation with specialist over no further assessment or consultation
Balance of effects	Favours intervention	Based on expert opinion, re-assessment of vascular status and consultation with a vascular specialist is likely to improve patient outcomes e.g., through timely revascularisation
Resources required	Moderate costs	Requires specialist training. Bedside tests are of low cost however additional vascular assessment e.g., CDUS and DSA have greater costs
Certainty of evidence of required resources	No included studies	Not assessed
Cost effectiveness	Favours intervention	Based on expert opinion re-assessment and consultation with vascular specialist is likely to improve patient outcomes e.g., through timely revascularisation
Equity	Probably no impact	Will depend on the site and whether there is the available expertise. More likely to have vascular consultation with specialist in middle to high income countries
Acceptability	Yes	Will be acceptable to the patient and health practitioner due to the improved surgical outcomes (this is based on expert opinion)
Feasibility	Probably yes	Likely to be feasible in middle to high income countries

Recommendation 16 - Best Practice Statement: In a person with diabetes, peripheral artery disease and a foot ulcer or gangrene, avoid revascularisation when the risk-benefit ratio for the probability of success of the intervention is clearly unfavourable.

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera	Moderate La		ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate	Moderate			Triv	rial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No includ	led studies	High/moderate/low
Values	Important uncertainty or variability			uncertainty or variability		important u		important ertainty or iability			High/moderate/low
Balance of effects	Favours the comparison	favo	bably ours the oparison	Does not favour either the intervention or the comparison		Probably favours the intervention	I	Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Mo	derate costs	Negligibl and savi		Moderate savings		Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low		Low		Modera	Moderate H		h	No included studies		High/moderate/low
Cost effectiveness	Favours the comparison	favo	bably ours the oparison	Does not either th interven the com	e tion or	Probably favours the intervention	1	Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced		bably uced	Probably impact		Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No		Probably no		Probabl	/ yes	Yes	1	Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probabl	-	Yes		Varies	Don't know	High/moderate/low

This table is based on the Grade Summary of Judgements Table as provided in the GradePRO software.

CRITERIA	Judgement	Comment							
Desirable Effects	Moderate	Will reduce the risk of futile revascularisation and undertaking ineffective procedures in patients at high surgical risk. Any revascularisation procedure is unlikely to be of benefit to the person and may cause harm. Many affected individuals pose high peri-procedural risk because of comorbidities. In particula the following people may not be suitable for revascularisation: those who are v frail, have short life expectancy, have poor functional status, are bed bound, ar or have a large area of tissue destruction that renders the foot functionally unsalvageable, and those who cannot realistically be expected to mobilise following revascularisation							
Undesirable Effects	Small	It was considered that there is only a small possibility of avoidable amputation.							
Certainty of evidence	Low	There is evidence from several observational studies of a 50% healing rate for ischaemic DFU in people with diabetes unsuitable for revascularisation and this should also be considered in determining choice of care. This judgement is therefore based on indirect evidence and expert opinion							
Values	Possibly important uncertainty or variability	Some patients may value any likelihood of limb salvage over other outcomes							
Balance of effects	Favours intervention	Based on expert opinion of the benefit of no intervention where the risk benefit ratio is unacceptable e.g., high risk of peri-operative death or low likelihood of surgical success							
Resources required	Moderate costs	Requires specialist assessment							
Certainty of evidence of required resources	No included studies	Not assessed							
Cost effectiveness	Favours intervention	Based on expert opinion re-assessment and consultation with a vascular specialist is likely to improve patient outcomes.							
Equity Probably no impa		Will depend on the site and whether there is the available expertise. More likely to have vascular consultation with specialist in middle to high income countries							
Acceptability	Probably yes	Some people may not accept the surgical risk benefit analysis							
Feasibility	Probably yes	Likely to be feasible in middle to high income countries							

Recommendation 17 - In a person with diabetes, peripheral artery disease and a foot ulcer or gangrene who has an adequate single segment saphenous vein in whom infra-inguinal revascularisation is indicated and who is suitable for either approach, consider bypass in preference to endovascular therapy. (Conditional, moderate)

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera	te	Larg	ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate		Small		Trivial		Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No includ	led studies	High/moderate/low
Values	Important uncertainty or variability		Possibly important uncertainty or variability		important I		No important uncertainty or variability				High/moderate/low
Balance of effects	Favours the comparison		ably urs the parison	Does not favour either the intervention or the comparison		Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Mod	erate costs	Negligibl and savir		Moderate savings		Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low		Low		Modera	te	Hig	High No in		led studies	High/moderate/low
Cost effectiveness	Favours the comparison		ably urs the parison	Does not either th interven the com	e tion or	Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced	Prob redu		Probably impact		Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No		Probably no		Probably	<mark>y yes</mark>	Yes		Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probably	<mark>y yes</mark>	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment							
Desirable Effects	Moderate	People will value a favourable outcome (reduced risk of death or adverse limb event or amputation)							
Undesirable Effects	Small	More invasive procedure requires longer recovery time however is associated with fewer repeat procedures							
Certainty of evidence	Moderate	Based on subanalysis of data from one randomised controlled trial with low risk of bias							
Values	Possibly no important uncertainty or variability	Patients are likely to value reduced mortality and risk of amputation							
Balance of effects	Probably favours the intervention	Bypass more invasive but less likely to be associated with death and adverse limb events							
Resources required	Moderate costs	Both endovascular and open approaches require specialist expertise. Open surgery is more invasive, however endovascular approach is more likely to need re- intervention							
Certainty of evidence of required resources	No included studies	Not assessed							
Cost effectiveness	Favours intervention	Reduced likelihood of adverse limb event will increase cost effectiveness of open surgery compared with endovascular intervention. Considering costs there are probably no major differences except the length of hospital stay however this is yet to be determined and may be an additional outcome of the BEST-CLI study. Subsequent analyses are also awaited to shed more light on the anatomical patterns and extent of disease treated, as well as which patterns of disease were not well represented or excluded.							
Equity	Probably reduced	Will depend on the site and whether there is the available expertise. More likely to have endovascular expertise available. Open surgery may not be an option in some centres							
Acceptability	Probably yes	Patients likely to find successful outcome of open surgery more acceptable than less invasive procedure (i.e., endovascular surgery)							
Feasibility	Probably yes	Likely to be feasible in middle to high income countries. The recommendation may not be feasible in the short term in all countries due to the lack of equipment and expertise							

Recommendation 18 - Best Practice Statement: A person with diabetes, peripheral artery disease (PAD) and a foot ulcer or gangrene, should be treated in centres with expertise in, or rapid access to, endovascular and surgical bypass revascularisation. In this setting, consider making treatment decisions based on the risk to and preference of the individual, limb threat severity, anatomical distribution of PAD, and the availability of autogenous vein.

CRITERIA				JU	DGEMENTS					IMPACT
Desirable Effects	Trivial	Small		Modera	te	Larg	e	Varies	Don't know	High/moderate/low
Undesirable Effects	Large	Moderate	Moderate S			Triv		Varies	Don't know	High/moderate/low
Certainty of evidence	Very low	Low	Low		te	High	1	No incluc	led studies	High/moderate/low
Values	Important uncertainty or variability		uncertainty or i variability u		Probably no N important u		mportant ertainty or ability			High/moderate/low
Balance of effects	Favours the comparison	Probably favours the comparison	either t interver	ot favour he	Probably favours the intervention	1	Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Moderate cost	Negligik	le costs ings	Moderate savings		Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low	Low		Modera	te	High		No included studies		High/moderate/low
Cost effectiveness	Favours the comparison	Probably favours the comparison	either t interver		Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced	Probably reduced	Probabl impact	y no	Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No	Probably r	10	Probabl	y yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No	Probably r	10	Probabl	y yes	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment
Desirable Effects	Moderate	Patients will value a favourable outcome from rapid access to treatment and availability of the most effective treatment options. As there is no one size fits all approach to treatment for people with diabetes, PAD, and foot ulceration or gangrene, it is important that a treating centre has the expertise and facilities to provide a range of treatment options with availability of both endovascular and open techniques
Undesirable Effects	Trivial	Few undesirable effects of access to appropriate treatment
Certainty of evidence	Moderate	Based on indirect evidence (low quality observational studies for time to revascularisation) and expert opinion
Values	Possibly no important uncertainty or variability	Patients likely to value adequate care access over no access
Balance of effects Favours the intervention		Based on evidence of delayed revascularisation having worse outcomes for healing, evidence of reduced mortality and adverse limb events in specific circumstances with open surgery and expert opinion
Resources required	Moderate costs	Both endovascular and open approaches require specialist expertise
Certainty of evidence of required resources	No included studies	Not assessed
Cost effectiveness	Probably favours intervention	Reduced likelihood of adverse limb events with rapid referral and availability of open procedures will increase cost effectiveness
Equity Probably reduced		Will depend on the site and whether there is the available expertise. More likely to have endovascular expertise available. Open surgery may not be an option in some centres
Acceptability	Yes	Patients and health practitioners likely to value rapid access to specialist care and find this acceptable.
Feasibility	Probably yes	Likely to be feasible in middle to high income countries however this will depend on local factors which may impact care delivery e.g., geographical remoteness

Recommendation 19 - Best Practice Statement: In a person with diabetes, peripheral artery disease and a foot ulcer or gangrene, revascularisation procedures should aim to restore in line blood flow to at least one of the foot arteries.

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial	Sn	nall		Modera ⁻	te	Lar	ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large	М	oderate		Small	Small Tr		ial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low	Lo	Low		Modera	te	Hig	h	No includ	led studies	High/moderate/low
Values	Important uncertainty or variability	ur	uncertainty or in variability u		important u		No important uncertainty or variability				High/moderate/low
Balance of effects	Favours the comparison	Probab favours compa	ably Does not urs the either the parison interventi		t favour e			Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Moder	ate costs	Negligibl and savi				Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low	Lo	W		Modera	te	High		No included studies		High/moderate/low
Cost effectiveness	Favours the comparison	Probab favours compa	•		e tion or	Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced	Probab reduce	•	Probably impact	<mark>r no</mark>	Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No	Pr	obably no		Probably	yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No	Pr	obably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment
Desirable Effects	Moderate	People will value a favourable outcome for healing and avoidance of amputation from successful revascularisation. In people with diabetes and a foot ulcer or gangrene in whom revascularisation is required, optimising blood flow to the foot is important to optimise the chance of healing the foot and avoiding amputation
Undesirable Effects	Small	Some risks related to revascularisation failure and peri-operative morbidity and death
Certainty of evidence	Low	Based on indirect evidence and low quality studies. Pedal arch patency also seems to be associated with improved wound healing and reduced risk of major amputation
Values	No important uncertainty or variability	Patient likely to value healing and avoidance of amputation
Balance of effects	Probably favours the intervention	Incomplete revascularisation (including treating inflow disease when distal disease is present or bypassing into blind segment arteries with no runoff), can result in delayed or non-wound healing and significant risk of amputation
Resources required	Moderatee saving	Increased likelihood of intervention success and avoidance of amputation with restoration of direct inline flow suggest this approach would generate moderate saving. This is based on expert opinion
Certainty of evidence of required resources	No included studies	Not assessed
Cost effectiveness	Probably favours intervention	Likely to be more cost effective due to increased limb salvage and wound healing associated with restoration of direct inline flow
Equity	Probably not impact	Unlikely to change the access to care and expertise
Acceptability	Yes	Patients and health practitioners likely to value the most effective intervention being used
Feasibility	Probably yes	Likely to be feasible in middle to high income countries

Recommendation 20- In a person with diabetes, peripheral artery disease and a foot ulcer or gangrene undergoing an endovascular procedure, consider targeting the artery on angiography that supplies the anatomical region of the ulcer, when possible or practical. (Conditional, very low)

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera ⁻	te	Lar	ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate		Small	Small Tr		vial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low	_ow M		te	Hig	h	No includ	led studies	High/moderate/low
Values	Important uncertainty or variability		uncertainty or in variability u		important u		No important uncertainty or variability				High/moderate/low
Balance of effects	Favours the comparison	fav	bably ours the nparison	Does not favour either the intervention or the comparison		Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Mo	derate costs	Negligibl and savi	e costs			Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low		Low	1	Modera	te	High		No included studies		High/moderate/low
Cost effectiveness	Favours the comparison	fav	bably ours the nparison	Does not either th interven the com	e tion or	favours the or intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced		bably uced	Probably impact	<mark>/ no</mark>	Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No		Probably no		Probabl	/ yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probabl	/ yes	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment
Desirable Effects	Moderate	Patients will value a favourable outcome for healing and avoidance of amputation
Undesirable Effects	Small	Some risks related to revascularisation failure and peri-operative morbidity and death but similar to indirect revascularisation (IR)
Certainty of evidence	Very low	Very low quality of included studies. These studies had a high risk of bias, lacked randomisation (and it is unlikely that this will ever be possible) and were mostly retrospective. Baseline variables such as wound/foot staging (e.g., by WIfl) and extent of tissue loss were reported infrequently. Heterogeneity of the included studies was found to be high preventing meta-analysis. This is likely to be due to high variability in participants and wound stage (extent of tissue loss, severity of ischaemia, presence of infection). Comparison of primary outcomes (healing and amputation) or adverse events is therefore problematic
Values	No important uncertainty or variability	Patient likely to value healing and avoidance of amputation
Balance of effects	Probably favours the intervention	Based on evidence it is possible that DR has better outcomes than IR for wound healing and amputation. For endovascular interventions healing and amputation outcomes for endovascular DR and IR shows that if DR is possible, DFU healing time and major amputation may be reduced compared with indirect revascularisation. There is inadequate evidence to determine if DR is superior to IR to prevent minor amputation
Resources required	Negligible costs and savings	Little difference in costs associated with IR and DR - based on expert opinion of the group.
Certainty of evidence of required resources	No included studies	Not assessed
Cost effectiveness	Probably favours intervention	Likely to be more cost effective due to increased limb salvage and wound healing associated with DR approach
Equity	Probably not impact	Unlikely to change the access to care and expertise for both methods are standard
Acceptability	Yes	Patients and health practitioners likely to value the most effective intervention being used
Feasibility	Probably yes	Likely to be feasible in middle to high income countries

Recommendation 21 - Best Practice Statement: In a person with diabetes and either a foot ulcer or gangrene who has undergone revascularisation, objectively assess adequacy of perfusion e.g., using non-invasive bedside testing.

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera	te	Lar	ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate		Small	Small		<mark>/ial</mark>	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low	<mark>_ow</mark> ∧		te	Hig	h	No included studies		High/moderate/low
Values	Important uncertainty or variability			uncertainty or variability		important l		important certainty or iability			High/moderate/low
Balance of effects	Favours the comparison	fav	bably ours the nparison	Does not favou either the intervention or the comparisor		Probably favours the intervention	I	Favours the intervention	Varies	Don't know	High/moderate/low
Resources required	Large costs	Mo	derate costs	Negligibl and savi	e costs	Moderate savings		Large savings	Varies	Don't know	High/moderate/low
Certainty of evidence of required resources	Very low		Low		Modera		High		No included studies		High/moderate/low
Cost effectiveness	Favours the comparison	fav	bably ours the nparison	Does not favour either the intervention or the comparison		Probably favours the intervention		Favours the intervention	Varies	Don't know	High/moderate/low
Equity	Reduced		bably uced	Probably impact	_	Probably increased		Increased	Varies	Don't know	High/moderate/low
Acceptability	No		Probably no		Probabl	/ yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probabl	/ yes	Yes	;	Varies	Don't know	High/moderate/low

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CRITERIA	Judgement	Comment
Desirable Effects	Large	Vascular assessment will help determine whether revascularisation has been successful and healing is going to be achieved.
Undesirable Effects	Trivial	Unlikely to be undesirable effects of bedside testing
Certainty of evidence	Low	Based on indirect evidence and expert opinion. Frequently long term patency is not achieved in endovascular treatment of tibial lesions Regular assessment of perfusion post-revascularisation should therefore be undertaken due to the risk of occlusion or re-stenosis after intervention. This should be conducted in combination with regular assessment of the foot lesion to determine whether healing is indeed taking place
Values	No important uncertainty or variability	People will value timely identification of failed procedures
Balance of effects	Probably favours intervention	Favours assessment over no assessment to monitor surgical outcomes, procedural success, and wound healing capacity. Limited by variable predictive capacity of bedside tests for wound healing
Resources required	Moderate savings	More likely to prevent amputation if revascularisation failure is identified promptly
Certainty of evidence of required resources	No included studies	Not assessed
Cost effectiveness	Unknown	Unknown
Equity	Probably no impact	Will depend on the site and whether there is the available expertise and equipment.
Acceptability	Yes	Bedside tests are non-invasive and are likely to be acceptable to the patient for this purpose
Feasibility	Yes	Bedside tests are largely low cost and easily applied. This relates to the low cost of equipment, the lack of involvement of specialised services in application of the tests, and the and wide range of practitioners that can apply these tests.

Recommendation 22 - Best Practice Statement: A person with diabetes, peripheral artery disease and either a foot ulcer or gangrene should be treated by a multidisciplinary team as part of a comprehensive care plan.

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera	te	Lar	ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate		Small	Small		rial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low	<mark>ow</mark> N		te	Hig	h	No included studies		High/moderate/low
Values	Important		Possibly impo	Possibly important		y no	No	important			High/moderate/low
	uncertainty or		uncertainty o		importa	nt	unc	ertainty or			-
	variability		variability		uncertai	nty or	var	ability			
					variabili [.]	ty					
Balance of effects	Favours the	Pro	bably	Does not	t favour	Probably		Favours the	Varies	Don't know	High/moderate/low
	comparison	favo	ours the	either th	e	favours the		intervention			
		com	nparison	interven	tion or intervention						
				the com	parison						
Resources required	Large costs	Mod	derate costs	Negligibl	le costs	Moderate		Large savings	Varies	Don't know	High/moderate/low
				and savi	ngs	savings					
Certainty of evidence	Very low		Low		Modera	te	High		No included studies		High/moderate/low
of required resources											
Cost effectiveness	Favours the	Pro	bably	Does not	t favour	Probably		Favours the	Varies	Don't know	High/moderate/low
	comparison	favo	ours the	either th	е	favours the		intervention			
		com	nparison	interven	tion or	intervention					
				the com	parison						
Equity	Reduced	Prol	bably	Probably	<mark>/ no</mark>	Probably		Increased	Varies	Don't know	High/moderate/low
		redu	uced	impact		increased					
Acceptability	No		Probably no		Probably	y yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low

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CRITERIA	Judgement	Comment
Desirable Effects	Large	Multidisciplinary team (MDT) care is associated with improved outcomes for wound healing and avoidance of amputation.
Undesirable Effects	Trivial	Unlikely to be undesirable effects of multidisciplinary care
Certainty of evidence	Low	Based on indirect evidence and expert opinion. Wound healing and avoidance of amputation more likely with MDT care
Values	No important uncertainty or variability	Patient will value wound healing and avoidance of amputation and will value a comprehensive care plan that addresses other important issues including: prompt treatment of concurrent infection, regular wound debridement, biomechanical offloading, control of blood glucose, cardiovascular risk reduction, and treatment of co-morbidities as well as prevention of ulcer recurrence
Balance of effects	Favours intervention	Based on indirect evidence and expert opinion. Wound healing and avoidance of amputation more likely with MDT care
Resources required	Moderate savings	There is likely to be an immediate increase in costs with the provision of MDT care however prevention of amputation is likely to generate savings. This is more likely to be achieved with MDT care.
Certainty of evidence of required resources	No included studies	Not assessed
Cost effectiveness	Unknown	Unknown. Likely to favour the intervention, based on expert opinion
Equity	Probably no impact	Will depend on the site and whether there is the available expertise and equipment
Acceptability	Yes	Multidisciplinary treatment likely to be acceptable to patients and health practitioners
Feasibility	Probably yes	Likely to be feasible in middle to high income countries however this will depend on local factors which may impact care delivery e.g., geographical remoteness. In rural and remote locations and areas where specialist access is challenging referral pathways that address care access (e.g., through virtual referral pathways) are essential to establish, to provide multidisciplinary care

Recommendation 23 - Best Practice Statement

In a person with diabetes and peripheral artery disease the following target levels should be:

- HbA1c < 8% (< 64 mmol/mol), but higher target HbA1c value can be necessary depending on the risk of severe hypoglycaemia.
- Blood pressure < 140/ 90 mmHg but higher target levels can be necessary depending on the risk of orthostatic hypotension and other side effects.

• Low density lipoprotein target of < 1.8 mmol/l (< 70 mg/dl) and reduced by at least 50% of baseline. If high intensity statin therapy (with or without ezetimibe) is tolerated, target levels < 1.4 mmol/l (55 mg/dl) are recommended.

Recommendation 24 - Best Practice Statement

A person with diabetes and symptomatic peripheral artery disease:

- should be treated with single antiplatelet therapy.
- treatment with clopidogrel should be considered as first choice in preference to aspirin.
- combination therapy with aspirin (75 mg to 100 mg once daily) plus low dose rivaroxaban (2.5 mg twice daily) should be considered for people without a high bleeding risk.

Recommendation 25 - Best Practice Statement

In a person with type 2 diabetes and peripheral artery disease:

- with an eGFR > 30 ml/min/1.73m², a sodium–glucose cotransporter 2 (SGLT-2) inhibitor or a glucagon like peptide 1 receptor agonist with demonstrated cardiovascular disease benefit should be considered, irrespective of the blood glucose level.
- SGLT-2 inhibitors should not be started in drug naïve people with a diabetes related foot ulcer or gangrene and temporary discontinuation should be considered in people already using these drugs, until the affected foot is healed.

CRITERIA					JU	DGEMENTS					IMPACT
Desirable Effects	Trivial		Small		Modera	te	Lar	ge	Varies	Don't know	High/moderate/low
Undesirable Effects	Large		Moderate		Small	Small		vial	Varies	Don't know	High/moderate/low
Certainty of evidence	Very low		Low		Modera	te	Hig	h	No included studies		High/moderate/low
Values	Important		Possibly impo	ortant	Probabl	y no	No	important			High/moderate/low
	uncertainty or		uncertainty o	or	· · · · · · · · · · · · · · · · · · ·		unc	certainty or			
	variability		variability				iability				
Balance of effects	Favours the	Pro	bably	Does not	Does not favour Proba			Favours the	Varies	Don't know	High/moderate/low
	comparison	on favours the either th		e favours the			intervention				
		con	parison interver		ntion or intervention						
				the com	he comparison						
Resources required	Large costs	Mo	derate costs	Negligibl	e costs	costs Moderate		Large savings	Varies	Don't know	High/moderate/low
				and savi	ngs	s savings					
Certainty of evidence	Very low		Low		Modera	te	High		No include	ed studies	High/moderate/low
of required resources											
Cost effectiveness	Favours the	Pro	bably	Does not	t favour	Probably		Favours the	Varies	Don't know	High/moderate/low
	comparison	favo	ours the	either th	е	favours the		intervention			
		con	nparison	interven	tion or	intervention					
				the com	parison						
Equity	Reduced	Pro	bably	Probably	<mark>r no</mark>	Probably		Increased	Varies	Don't know	High/moderate/low
		red	uced	impact		increased					
Acceptability	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low
Feasibility	No		Probably no		Probabl	y yes	Yes		Varies	Don't know	High/moderate/low

CRITERIA	Judgement	Comment						
Desirable Effects	Large	Large desirable effect reducing risk of MACE and MALE. People with an ischaemic diabetes related foot ulcer have an overall five year cardiovascular mortality around 50% therefore these individuals have a very high cardiovascular risk						
Undesirable Effects	Small	Undesirable effects likely to be related to adverse drug reactions. Many people with an ischaemic foot ulcer usually have other diabetes related complications as well as several co-morbidities, resulting in a high burden of diseases and multiple medications.						
Certainty of evidence	Moderate	Based on available international guidelines this was judged as moderate						
Values	No important uncertainty or variability	It was judged that people will value avoidance of MACE and MALE however, people with a ischaemic DFU are also likely to be elderly, frail and living in vulnerable socio-economic circumstances with a low quality of life. It is therefore essential that cardiovascular risk factor management in these people should be individualised						
Balance of effects	Favours intervention	Based on available evidence significant reduction in MACE and MALE						
Resources required	Moderate costs	Direct cost of medications. Some of these may be significant and will vary from country to country						
Certainty of evidence of required resources	No included studies	Not assessed						
Cost effectiveness	Unknown	Unknown, but likely to favour the intervention based on expert opinion						
Equity	Probably no impact	Will depend on the site and whether there is the availability and subsidy of medication						
Acceptability	Yes	Multidisciplinary treatment likely to be acceptable to patients and health practitioners. However, acceptability may be affected by individual circumstances. Treatment should be part of a shared decision making process, taking life expectancy, diabetes related complications and						

		comorbidities, expected benefit, treatment burden, drug interactions and undesirable treatment effects into account
Feasibility	Probably yes	Feasible in middle to high income countries. Access to and costs of medications and lack of health professional access may impact feasibility

Evidence Tables - The prognostic capacity of microvascular measures for DFU healing and amputation

Author	Age (years, SD)	Sex (M/F)	Total Participants	Type 1/2	Participants w/ Diabetes (%)	Diabetes Duration	Participants w/ PAD (%)	PAD Diagnosis	Intervention
Arora, 2002	62 ± 3	11/2	13	1/12	100	20 ± 3	100	TcPO ₂ : 40 ± 6	Lower extremity arterial revascularis ation
Chang, 2016	63.4 ± 13.7	16/14	30	Not reported	100	13.6 ± 8.2	Severe - 11% (5) Moderate - 30% (14) Borderline- Normal - 15% (7) Normal - 43% (20) Total - 46 Ulcer only total - 34	Mean SPP (mmHg) Severe - <30 Moderate - 30-49 Borderline- Normal - 50- 59 Normal - >60	Buerger Exercise

Evidence Table - Study characteristics: the prognostic capacity of microvascular measures for DFU healing and amputation

Author	Age (years, SD)	Sex (M/F)	Total Participants	Type 1/2	Participants w/ Diabetes (%)	Diabetes Duration	Participants w/ PAD (%)	PAD Diagnosis	Intervention
Dwars, 1988	68 (range: 50-85)	15/11	26	N/A	100 Separate control group (?) 4	N/A	100	N/A	Amputation at individually specified site
Faris, 1985	Range: 38- 86 Median: 72	37/24	61	N/A	100	6 months - 40 years Median: 10 years	N/A	N/A	Conservativ e treatment (25), toe amputation or abscess drainage (14), transmetata rsal amputation (2) Femoropopli teal bypass (10), Femorotibial bypass (7). BTK
									BTK amputatior (6)

Author	Age (years, SD)	Sex (M/F)	Total Participants	Туре 1/2	Participants w/ Diabetes (%)	Diabetes Duration	Participants w/ PAD (%)	PAD Diagnosis	Intervention
Faris, 1988	69 (35-90)	102/103	205	N/A	100	<1-50 years (median: 10)		<40 mmHg 40-60 mmHg >60 mmHg	Conservativ e treatment, amputation or vascular reconstructi on
Fiordaliso, 2016	72 ± 10.0	26/4	Total - 70 Neuro- ischaemic - 30 Neuropathic - 30 Control - 10	0/30	100	17.9 ± 13.2	100	TcPO2: <30mmHg Ankle pressure: <70mmHg	Biopsies taken from healthy skin adjacent to existing wound during amputation of 1st ray
Galanakis, 2020	Median 68 (58-79	6/4	10	N/A	80	N/A	100	Rutherford's Classificatio n of PAD	Percutaneou s Angioplasty. Follow up amputation if indicated
Jorneskog, 1993	63 (range 47-80)	N/A	10	N/A	100	23 (range 4- 53)	100	TBI ≤0.8	Low molecular weight Heparin Dalteparin (Fragmin)

Author	Age (years, SD)	Sex (M/F)	Total Participants	Type 1/2	Participants w/ Diabetes (%)	Diabetes Duration	Participants w/ PAD (%)	PAD Diagnosis	Intervention
Kalani, 2007	Case: 73 ± 8 Control: 72 ± 11	Case: 29/14 Control: 31/11	85	Case: 5/38 Control: 7/35	100	Case: 20 ± 13 Control: 21 ± 14	100	≤0.6mmHg TBI	Low molecular weight heparin Dalteparin (Fragmin)
Lee, 2021	68.9 ± 11.9	185 males (78.4%)	172 (236 limbs)		80.5% (190 limbs)		100	Rutherford 5 or 6	N/A
Mennes , 2021	66.7 ± 12.8	42/11	53	3/50	100	<10: 20 >10: 26 Unknown: 7	Ischaemic: 28 Critical Ischaemic: 18	Critically ischaemic- ABI:≤0.39 Ankle pressure: <50mmHg Toe Pressure or TcPO2: ≤30mmHg Ischaemic- ABI: 0.4-0.79 Ankle pressure: 50- 100mmHg Toe	Offloading, debridemen t, wound dressings, antibiotic treatment

Author	Age (years, SD)	Sex (M/F)	Total Participants	Type 1/2	Participants w/ Diabetes (%)	Diabetes Duration	Participants w/ PAD (%)	PAD Diagnosis	Intervention
								pressure or TcPO2: 30- 59mmHg	
Yotsu, 2014	35-87 (65.2 ± 12.1)	Ischaemic: 16/20 (80.0) Neuro- ischaemic: 11/14 (78.6)	Ischaemic: 20 Neuro- ischaemic: 14 Neuro: 39 Total: 73	0/73	100	Ischaemic: 24.2 ± 14.1 Neuro- ischaemic: 18.2 ± 7.2	62% (45)	ABI:≤ 0.9 SPP: <40mmHg TcPO2: <40mmHg	N/A

ABI = ankle brachial index, SD = standard deviation, SPP = skin perfusion pressure, TcPO₂ = transcutaneous oxygen pressure

Author	Microvascular					Follow up		Healing
	measurements	Revascularisations	Measurement	Baseline	Follow ups	time	p value	outcomes
Arora,	Laser Doppler	100%	% in increase	LSH:	LSH:		LSH:	Tissue Loss: 8
2002	(LSH- 44		over baseline	289% ± 90%	427% ± 61%		< .05	non-healing
	degrees;		measured in					that healed 4-6
	Iontophoresis -		volts	ACh:	ACh:		ACh:	weeks post-op:
	1% ACh and			6% ± 4%	26% ± 8%		< .05	4
	1% SNP)							Clean and
				SNP:	SNP:		SNP:	healing: 2
				10% ± 4%	29% ± 9%		< .05	Amputations
								post op: 2
Chang,	SPP - Laser	0%	Mean SPP			3 months	.043	Healed - 9 (29%)
2016	Doppler		(SD)	Severe - 22.1	Severe - 37.3		.001	Improving - 14
				(4.4)	(16.4)		.028	(41%)
				Moderate - 42.2	Moderate -		.239	Static - 6 (18%)
				(4.3)	64.4 (19.9)			Progressing - 3
				Borderline-	Borderline-		<.001	(9%)
				Normal - 52.9	Normal - 65.4		<.001	Amputation - 2
				(2.7)	(9.1)			(6%)
				Normal - 80.6	Normal - 83.8			
				(17.5)	(20.5)			
				Total - 58.3	Total - 70.0			
				(24.3)	(23.3)			
				Ulcer only total -	Ulcer only total			
				58.3 (26.9)	- 71.5 (26.5)			
Dwars,	Modified		Mean SBF	SBF range: 0.88-	SPP <20: 5.58		SPP < 20	Healed
1988	Scintigraphic		ml/min per	40.0	(3.86)		mmHg and	Amputation:
	Technique		100g tissue		SPP =25: 13.29		SPP=	10.88 (range
	SPP SBF		for each SPP		(10.92)		25mmHg (p <	2.78-40.0)
			(mmHg)		SPP =35: 17.06		.05)	Failed Minor
					(8.72)		SPP	Amp: 4.33

Evidence Table - Study outcomes: the prognostic capacity of microvascular measures for DFU healing and amputation

Author	Microvascular					Follow up		Healing
	measurements	Revascularisations	Measurement	Baseline	Follow ups	time	<i>p</i> value	outcomes
				SPP median:	SPP =45: 13.90		<20mmHg	Failed Major
				35mmHg	(7.37)		and SPP =	Amp: 0.88
					SPP >50: 11.38		35mmHg (p	
					(6.71)		<.01)	
							SPP	SPP>20mmHg:
							<20mmHg	26 healed
							and SPP >	SPP<20mmHg: 1
							50mmHg (p <	healed 2 failed
							.01)	
Faris, 1985	SPP -	28	SPP (mmHg)		Healed SPP: 59		<.001	Healing with
	Intradermal				± 16mmHg)			conservative
	injections and				Unhealed SPP:			treatment: 25
	99mTc-				35 ± 11mmHg)			Local Surgery
	pertechnetate.							(toe amp or
								local drainage of
								abscess: 14
								Transmetatarsal
								amp: 2
								Femoropopliteal
								bypass: 10
								Femorotibial
								bypass: 7
								Below Knee
								Amp: 6
Faris,	SPP					6-42	SPP < .0016	Conservative
1988						(median:		treatment: 97
						22 months)		(69% healed)
								Local
								Amputation: 43
								(75% healed)
								Arterial

Author	Microvascular					Follow up		Healing
	measurements	Revascularisations	Measurement	Baseline	Follow ups	time	<i>p</i> value	outcomes
								Reconstruction:
								48
								ВТК
								Amputation: 14
Fiordaliso,						7,14 and		Healing: 58?
2016						30 days		Major
						post-		Amputation
						surgery		(above ankle): 2
						and then		Death: 1
						until		
						healing		
Galanakis,	LDF	0	Resting LDF			1-2 Before		Nil
2020	PORH 3 min		_			treatment		improvement
	arterial		Peak LDF			4-7 weeks		seen during or
	occlusion at					of		after treatment
	250mmHg					treatment		of LFD with
	Skin					2 weeks		Fragmin
	temperature					post		
	continuously					treatment		
	recorded							
Jorneskog,	LDF		Coefficient of	65 ± 48	-0.8 (45.0)	Until	.264	Healed with
1993	PORH 4 min		Variation for	78 ± 85	0.00 (96.0)	healing or		intact skin:
	arterial		peak LDF	151 ± 97	-12.8 (55.0)	six months		
	occlusion at					of		Increased ulcer
	the ankle at		Resting LDF			Dalteparin		area: 5
	cuff pressure		(PU)					
	of 250mmHg.		Peak LDF%					Improved (=</td
	Probes then		Time to peak					50% reduction
	heated to 44		LDF					of ulcer area:
	degrees celsius							
	during six mins		Follow up -					Amputation

Microvascular					Follow up		Healing
measurements	Revascularisations	Measurement	Baseline	Follow ups	time	<i>p</i> value	outcomes
		comparison of changes					above or below ankle: 2
SPP		mmHg	overall: 40.0 ± 21.8; healed: 44.1 ± 21.0; unhealed: 33.5 + 21.7	Overall: 52.4 ± 22.5; Healed: 61.8 ± 18.5; unhealed 37.4 ±	3-6 months	<.001 pre- and post-	
Laser speckle contrast imaging - POHR	Nil - Pts who underwent revascularisation were excluded	Mean ± SD	Foot: Baseline:50.3 ± 14.6 Post-occlusion Peak: 77.3 ± 26.6 Ulcer:	Healed Foot-12 Weeks Baseline:49.3± 15.1 Post-occlusion Peak:76.7± 24.4 26 Weeks Baseline:49.4 ± 13.9 Post-occlusion Peak: 52.3± 16.3 Ulcer- 12 Weeks Baseline: 108.8± 33 Post-occlusion Peak:107± 32.6 26 Weeks	12 and 26 weeks	Foot-12 Weeks Baseline: .654 Post occlusion Peak: .889 26 Weeks Baseline: .508 Post occlusion Peak: .983 Ulcer- 12 Weeks Baseline: .467 Post occlusion Peak: .473 26 Weeks Baseline: .197 Post occlusion Peak: .190	N/A
	measurements SPP Laser speckle contrast imaging -	measurements Revascularisations SPP	measurementsRevascularisationsMeasurementImage: SPPComparison of changesSPPmmHgLaser speckle contrast imaging - revascularisationNil - Pts who underwent revascularisation	measurementsRevascularisationsMeasurementBaselineSPPcomparison of changesoverall: 40.0 ± 21.8; healed: 44.1 ± 21.0; unhealed: 33.5 ± 21.7Laser speckle contrast imaging - POHRNil - Pts who underwent revascularisation were excludedMean ± SDFoot: Baseline:50.3 ± 14.6 Post-occlusion Peak: 77.3 ± 26.6VICer: Baseline:104.8 ± 34.6 Post-occlusion Peak: 104.0 ± 33.4Ulcer: Baseline:104.8 ± 34.6 Post-occlusion Peak:104.0 ± 33.4	measurementsRevascularisationsMeasurementBaselineFollow upsSPPcomparison of changesoverall: 40.0 ± 21.8; healed: 44.1 ± 21.0; unhealed: 33.5 ± 21.7Overall: 52.4 ± 22.5; Healed: 61.8 ± 18.5; unhealed: 33.5 ± 21.7Overall: 52.4 ± 22.5; Healed: 61.8 ± 18.5; unhealed: 33.5 ± 21.7Laser speckle contrast imaging - POHRNil - Pts who underwent revascularisation were excludedMean ± SDFoot: Baseline:50.3 ± 14.6 Post-occlusion Peak: 77.3 ± 26.6Healed Foot-12 Weeks Baseline:49.3 ± 14.6 Post-occlusion Peak: 77.3 ± 26.6Seeline:49.4 ± 13.9Ulcer: Baseline:104.8 ± 33.426 Weeks Baseline:49.4 ± 33.4Baseline:49.4 ± 13.9Ulcer Edge: Baseline: 103.7 Post-occlusion Peak:102.0 ± 32.9Ulcer-12 Weeks Baseline: 108.8 ± 33 Post-occlusion Peak:107.1 32.6	measurementsRevascularisationsMeasurementBaselineFollow upstimeSPPcomparison of changesoverall: 40.0 ±Overall: 52.4 ±3-6 monthsSPPmmHgoverall: 40.0 ±22.5; Healed:41.1 ± 21.0;10.1 ±Laser speckleNil - Pts whoMean ± SDFoot:19.912 and 26contrastunderwentrevascularisationMean ± SDFoot:Foot:-12 Weeks12 and 26POHRwere excludedMean ± SDFoot:Post-occlusion15.1Post-occlusionPOHRUlcer:26.6Peak:76.7± 24.4Vicer:26 WeeksBaseline:104.8 ±3.4.613.9Post-occlusionPeak: 52.3 ±Post-occlusionPeak:104.0 ±33.416.316.3Post-occlusionPeak:102.0 ±33.416.3Post-occlusionPeak:102.0 ±32.9Post-occlusionPeak:107.32.626 WeeksBaseline:108.8 ± 33Post-occlusionPeak:102.0 ±32.9Post-occlusionPeak:102.0 ±32.926 WeeksBaseline:108.8 ± 33Post-occlusionPeak:102.0 ±32.926 WeeksBaseline:109.1 ±109.1 ±	measurementsRevascularisationsMeasurementBaselineFollow upstimep valueSPPcomparison of changesoverall: 40.0 ± 21.8; healed: 44.1 ± 21.0; unhealed: 33.5 ± 121.7Overall: 52.4 ± 22.5; Healed: 61.8 ± 18.5; unhealed: 33.5 unhealed: 33.5 ± 121.73-6 months<.001 pre- and post-Laser speckle contrast imaging - POHRNil - Pts who underwent revascularisation were excludedMean ± SDFoot: Baseline:50.3 ± 14.6Healed Baseline:60.3 ± 15.112 and 26 weeksWeeksDOHRMean ± SDFoot: Post-occlusion Peak: 77.3 ± 33.4Healed Post-occlusion Peak:76.7 ± 24.412 and 26 weeksWeeksUlcer: Baseline:104.8 ± 33.426 Weeks Baseline:49.4 ± 13.9Post-occlusion Peak: 76.7 ± 24.4Post-occlusion Peak: 889Post-occlusion Peak: 52.3 ± 16.3Post-occlusion Peak: 52.3 ± 13.3Post-occlusion Peak: 52.3 ± 16.3Post-occlusion Peak: 473Vicer Edge: Baseline: 102.0 ± 9ost-occlusion Peak: 102.0 ± 32.9Ulcer-12 Weeks Baseline: 109.1 ±Ulcer-12 Weeks Baseline: 197 Post-occlusion Peak: 107 ± 32.626 Weeks Baseline: 197 Post occlusion Peak: 190

Author	Microvascular					Follow up		Healing
	measurements	Revascularisations	Measurement	Baseline	Follow ups	time	<i>p</i> value	outcomes
					Post-occlusion		12 Weeks	
					Peak: 108.2±		Baseline: .402	
					35.2		Post occlusion	
							Peak:0.239	
					Ulcer Edge- 12			
					Weeks		26 Weeks	
					Baseline: 96.3±		Baseline: .509	
					33.4		Post occlusion	
					Post-occlusion		Peak: .373	
					Peak:108.1±			
					33.9			
					26 Weeks			
					Baseline:94.2±			
					33.8			
					Post-occlusion			
					Peak: 104.8±			
					35.3			
					Non-healed			
					Foot- 12 Weeks			
					Baseline:51.1±			
					14.5			
					Post-occlusion			
					Peak:77.8± 28.6			
					26 Weeks			
					Baseline:52.3±			
					16.3			
					Post occlusion			
					Peak:77.2± 33.6			

Author	Microvascular					Follow up		Healing
	measurements	Revascularisations	Measurement	Baseline	Follow ups	time	<i>p</i> value	outcomes
					Ulcer-12 Weeks			
					Baseline:101.8±			
					36.1			
					Post-occlusion			
					Peak: 101.1±			
					34.3			
					26 Weeks			
					Baseline:95.8±			
					31.2			
					Post-occlusion			
					Peak:95.2± 28.2			
					Lileen Edge 12			
					Ulcer Edge-12 Weeks			
					Baseline: 89.1±			
					28.6			
					Post-occlusion			
					Peak: 97.3±			
					31.9			
					51.5			
					26 Weeks:			
					Baseline: 88.1±			
					23			
					Post-occlusion			
					Peak: 96± 27.4			
Yotsu,	SPP (mmHg)		Mean SPP	Ischaemic: 27.0	Ischaemic-	4.5 year		Healing:
2014			(SD)	± 14.1	Median (25%,	period		Ischaemic: 9
					75%)		.341	Neuro-
				Neuro-	Healed:37			ischaemic: 9

Author	Microvascular					Follow up		Healing
	measurements	Revascularisations	Measurement	Baseline	Follow ups	time	p value	outcomes
				ischaemic: 34.6	(17;43)			
				± 23.2	Non-healed: 20			Non healed:
					(15;37)		.141	isch:4
								neuro-
					Neuro-			ischaemic:1
					ischaemic			
					Healed:			Amputation:
					38(22;51)			Ischaemic: 4
					Non-healed:			Neuro-
					17(16;32)			ischaemic: 2
								Death:
								Ischaemic: 3
								Neuro-
								ischaemic: 1

ABI = ankle brachial index, Ach = acetylcholine, LDF = Laser Doppler Fluxmetry, LSH = Local skin heating, PORH = post-occlusive reactive hyperaemia, SD = standard deviation, SBF = skin blood flow, SNP = sodium nitroprusside, SPP = skin perfusion pressure, TcPO₂ = transcutaneous oxygen pressure