

Supplementary Table I (online only). Mobility prediction model of *i*BASIC and *i*ADVANCED mobility in case 1

Predictor	<i>i</i> BASIC		<i>i</i> ADVANCED	
	TMA	BKA	TMA	BKA
TMA	Yes		Yes	
BKA		Yes		Yes
Baseline educational category	High-school graduate	High-school graduate	NR	NR
Age, years	68	68	68	68
BMI, kg/m ²	30	30	30	30
Married/partner	No	No	No	No
Race	White	White	White	White
Diabetes	Yes	Yes	Yes	Yes
COPD	No	No	NR	NR
Dialysis	Yes	Yes	Yes	Yes
Previous treatment for anxiety or depression	Yes	Yes	Yes	YES
Self-perceived health	Fair	Fair	Fair	Fair
Probability of achieving <i>independent</i> mobility, %	23	9	<1	<1
95% Confidence interval	3%-73%	1%-44%	0%-5%	0%-4%

BKA, Below-knee amputation; *BMI*, body mass index; *COPD*, chronic obstructive pulmonary disease; *NR*, not retained in model; *TMA*, transmetatarsal amputation.

Supplementary Table II (online only). Mobility prediction model of *i*BASIC and *i*ADVANCED mobility in a relatively healthy patient in case 2

Predictor	<i>i</i> BASIC		<i>i</i> ADVANCED	
	TMA	BKA	TMA	BKA
TMA	Yes		Yes	
BKA		Yes		Yes
Baseline educational category	High-school graduate	High-school graduate	NR	NR
Age, years	62	62	62	62
BMI, kg/m ²	25	25	25	25
Married/partner	Yes	Yes	Yes	Yes
Race	White	White	White	White
Diabetes	Yes	Yes	Yes	Yes
COPD	No	No	NR	NR
Dialysis	No	No	No	No
Previous treatment for anxiety or depression	No	No	No	No
Self-perceived health	Good	Good	Good	Good
Probability of achieving <i>independent</i> mobility, %	96	87	67	67
95% Confidence interval	85%-99%	70%-95%	41%-85%	43%-84%

BKA, Below-knee amputation; *BMI*, body mass index; *COPD*, chronic obstructive pulmonary disease; *NR*, not retained in model; *TMA*, transmetatarsal amputation.

Supplementary Table III (online only). Mobility prediction model of *i*BASIC and *i*ADVANCED mobility in a typical patient requiring a peripheral arterial disease (PAD)-related amputation at the transtibial or transfemoral amputation level in case 3

Predictor	<i>i</i> BASIC		<i>i</i> ADVANCED	
	BKA	AKA	BKA	AKA
Predictor				
BKA	Yes		Yes	
AKA		Yes		Yes
Baseline educational category	2 years of college	2 years of college	NR	NR
Age, years	68	68	68	68
BMI, kg/m ²	27	27	27	27
Married/partner	No	No	No	No
Race	Nonwhite	Nonwhite	Nonwhite	Nonwhite
Diabetes	No	No	No	No
COPD	Yes	Yes	NR	NR
Dialysis	No	No	No	No
Previous treatment for anxiety or depression	Yes	Yes	Yes	Yes
Self-perceived health	Good	Good	Good	Good
Probability of achieving <i>independent</i> mobility, %	5	<1	<1	<1
95% Confidence interval	0%-45%	0%-15%	0%-1%	0%

AKA, Above-knee amputation; BKA, below-knee amputation; BMI, body mass index; COPD, chronic obstructive pulmonary disease; NR, not retained in model.

After the data are entered into the model, the patient is informed that the probability that he would be independent in all of the tasks including walking in the home, going up and down stairs with a handrail, and stepping up and down a curb is very poor at both amputation levels (Supplementary Table III). He may be able to be independent in some of these tasks but not all. It is fortunate that the patient lives in a wheelchair-accessible apartment because he will likely be able to return to that living environment after surgery.