

866 **Supplementary file S1.** The search strategies for all databases.

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868 **PubMed History and Search Details February 19<sup>th</sup> 2022**

Search	PubMed Query – February 19 <sup>th</sup> 2022	Results
#4	#1 AND #2 AND #3	347
#3	"Physical Functional Performance"[Mesh] OR "Gait"[Mesh] OR "Gait Analysis"[Mesh] OR "gait"[tiab] OR biomechanics[tiab] OR "functional performance"[tiab] OR "functional test"[tiab] OR ((motion[tiab] OR movement[tiab] OR moving[tiab] OR locomotion[tiab] OR walk*[tiab] OR ambulati*[tiab]) AND analys*[tiab])	244,579
#2	"Forefoot, Human"[Mesh] OR "Foot Joints"[Mesh] OR "forefoot"[tiab] OR "midfoot"[tiab] OR "toe"[tiab] OR "toes"[tiab] OR "hallux"[tiab] OR "metatars"[tiab] OR "intertars"[tiab] OR "midtars"[tiab] OR "transtars"[tiab] OR "intermetatars"[tiab] OR "transmetatars"[tiab] OR "tarsometatars"[tiab] OR "foot joint"[tiab] OR "tarsal joint"[tiab] OR "ray"[tiab] OR "lisfranc"[tiab] OR "chopart"[tiab]	460,320
#1	"Amputation"[Mesh] OR "amputat*[tiab] OR "disarticulat*[tiab]	54,449

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870 **Embase.com History and Search Details February 19<sup>th</sup> 2022**

Search	Embase.com Query – February 19 <sup>th</sup> 2022	Results
#5	#4 NOT ('conference abstract'/it OR 'conference review'/it)	377
#4	#1 AND #2 AND #3	449
#3	'physical performance'/exp OR 'gait analysis system'/exp OR 'biomechanics'/exp OR 'gait'/exp OR ('gait' OR 'biomechanics' OR 'functional performance' OR 'functional test*' OR (('motion' OR 'movement' OR 'moving' OR 'locomotion' OR 'walk*' OR 'ambulati*')) AND 'analys*')):ti,ab,kw	514,315
#2	'forefoot'/exp OR 'midfoot'/exp OR 'toe'/exp OR 'foot joint'/exp OR ('forefoot' OR 'midfoot' OR 'toe' OR 'toes' OR 'hallux' OR 'metatars*' OR 'intertars*' OR 'midtars*' OR 'transtars*' OR 'intermetatars*' OR 'transmetatars*' OR 'tarsometatars*' OR 'foot joint*' OR 'tarsal joint*' OR 'ray' OR 'lisfranc' OR 'chopart*'):ti,ab,kw	522,978
#1	'amputation'/exp OR (amputat* OR disarticulat*):ti,ab,kw	78,474

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**Cinahl (Ebsco) History and Search Details February 19<sup>th</sup> 2022**

Search	Cinahl (Ebsco) Query – February 19 <sup>th</sup> 2022	Results
S5	S4 AND Limit to: Academic Journals	250
S4	S1 AND S2 AND S3	298
S3	MH ("Psychomotor Performance" OR "Physical Performance" OR "Gait+" OR "Gait Analysis" OR "Biomechanics+") OR TI (gait OR biomechanics OR "functional performance" OR "functional test*" OR ((motion OR movement OR moving OR locomotion OR walk* OR ambulati*) AND analys*)) OR AB( gait OR biomechanics OR "functional performance" OR "functional test*" OR ((motion OR movement OR moving OR locomotion OR walk* OR ambulati*) AND analys*))	153,629
S2	MH ("Foot" OR "Toes" OR "Toe Joint+" OR "Tarsal Joint+") OR TI (forefoot OR midfoot OR toe OR toes OR hallux OR metatars* OR intertars* OR midtars* OR transtars* OR intermetatars* OR transmetatars* OR tarsometatars* OR "foot joint*" OR "tarsal joint*" OR ray OR lisfranc OR chopart*) OR AB (forefoot OR midfoot OR toe OR toes OR hallux OR metatars* OR intertars* OR midtars* OR transtars* OR intermetatars* OR transmetatars* OR tarsometatars* OR "foot joint*" OR "tarsal joint*" OR ray OR lisfranc OR chopart*)	54,404

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Search	Cinahl (Ebsco) Query – February 19 <sup>th</sup> 2022	Results
S1	MH "Amputation+" OR TI (amputat* OR disarticulat*) OR AB (amputat* OR disarticulat*)	16,129

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**SportDiscus (Ebsco) History and Search Details February 19<sup>th</sup> 2022**

Search	SportDiscus (Ebsco) Query – February 19 <sup>th</sup> 2022	Results
S4	S1 AND S2 AND S3	109
S3	DE ("PERFORMANCE" OR "BIOMECHANICS" OR "BIOMECHANICS in sports" OR "SEGMENTAL analysis technique (Biomechanics)") OR TI (gait OR biomechanics OR "functional performance" OR "functional test*" OR ((motion OR movement OR moving OR locomotion OR walk* OR ambulati*) AND analys*)) OR AB (gait OR biomechanics OR "functional performance" OR "functional test*" OR ((motion OR movement OR moving OR locomotion OR walk* OR ambulati*) AND analys*)) OR KW (gait OR biomechanics OR "functional performance" OR "functional test*" OR ((motion OR movement OR moving OR locomotion OR walk* OR ambulati*) AND analys*))	81,418
S2	DE ("FOOT" OR "TOES" OR "METATARSUS" OR "TARSOMETATARSUS" OR "TARSAL joint" OR "TOE joint" OR "LISFRANC joint") OR TI (forefoot OR midfoot OR toe OR toes OR hallux OR metatars* OR intertars* OR midtars* OR transtars* OR intermetatars* OR transmetatars* OR tarsometatars* OR "foot joint*" OR "tarsal joint*" OR ray OR lisfranc OR chopart*) OR AB (forefoot OR midfoot OR toe OR toes OR hallux OR metatars* OR intertars* OR midtars* OR transtars* OR intermetatars* OR transmetatars* OR tarsometatars* OR "foot joint*" OR "tarsal joint*" OR ray OR lisfranc OR chopart*) OR KW (forefoot OR midfoot OR toe OR toes OR hallux OR metatars* OR intertars* OR midtars* OR transtars* OR intermetatars* OR transmetatars* OR tarsometatars* OR "foot joint*" OR "tarsal joint*" OR ray OR lisfranc OR chopart*)	22,878
S1	TI (amputat* OR disarticulat*) OR AB (amputat* OR disarticulat*) OR KW (amputat* OR disarticulat*)	3,610

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