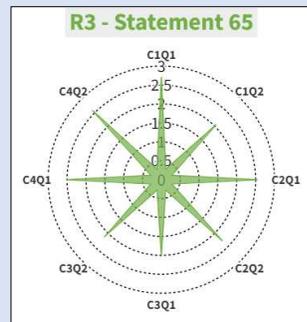
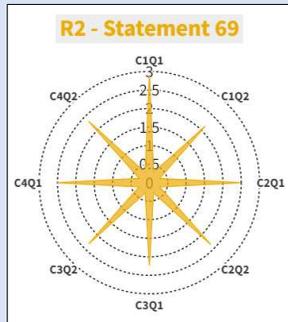
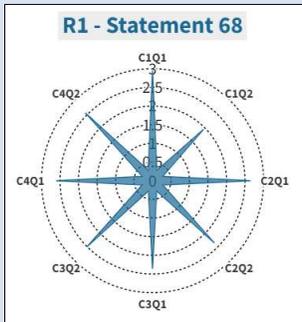


## SUPPLEMENTARY FILE 9

\*ENHR ranking exercise: average criterium scores for statements 68, 69 and 65, ranked 1<sup>st</sup> to 3<sup>rd</sup> of 18

Statement Detail	C1Q1	C1Q2	C2Q1	C2Q2	C3Q1	C3Q2	C4Q1	C4Q2	Rank
<b>R1 - Statement 68:</b> Randomised controlled clinical trials to investigate what best practice physiotherapy is (e.g. in different populations and settings; pre- and post-surgery)	2.95	1.95	2.64	2.36	2.36	2.51	2.60	2.57	1
<b>R2 - Statement 69:</b> Studies to determine the best criteria for rehabilitation progression and Return To Sport (RTS) following management of hip-related pain	2.90	2.15	2.48	2.36	2.23	2.33	2.50	2.34	2
<b>R3 - Statement 65:</b> Randomised controlled clinical trials to investigate how exercise intervention influences the development and prognosis of femoroacetabular impingement syndrome in cohorts with variable loading demands	2.71	2.05	2.55	2.29	2.00	2.15	2.51	2.59	3

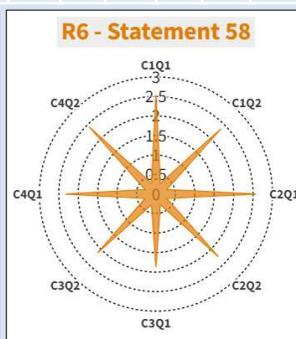
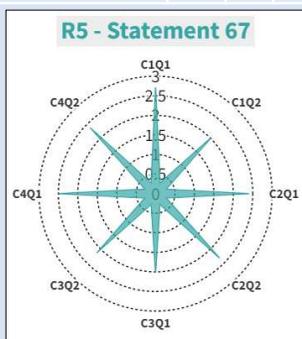
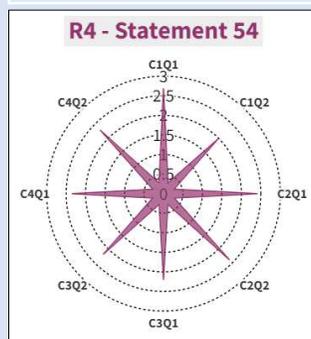


Category (C)	Question (Q)
<b>1. Appropriateness:</b> should we do the research?	1. Is the planned research ethically and morally acceptable? (C1Q1) 2. How adequate is any available research-based information on the topic? (C1Q2)
<b>2. Relevancy:</b> why should we do the research?	1. How much does research in this area contribute to better equity in health and serve the community concern or demand? (C2Q1) 2. What is the size and severity of the problem? (C2Q2)
<b>3. The chances of success:</b> can we do the research?	1. How adequate is the capacity of the system to undertake the research in terms of competency, infrastructure, support system, mechanisms and resources? (C3Q1) 2. How justifiable is the cost running this project? (C3Q2)
<b>4. Impact of the research outcome:</b> what do the stakeholders get out of the research?	1. What are the chances of the recommendations being implemented? (C4Q1) 2. How much impact will this research have on health of the population? (C4Q2)

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\*ENHR ranking exercise: average criterium scores for statements 54, 67 and 68, ranked 4<sup>th</sup> to 6<sup>th</sup> of 18

Statement Detail	C1Q1	C1Q2	C2Q1	C2Q2	C3Q1	C3Q2	C4Q1	C4Q2	Rank
<b>R4 - Statement 54:</b> Prospective cohort studies that investigate prognosis (consequences) of primary cam morphology in different cohorts	2.69	1.98	2.41	2.40	2.2	2.19	2.35	2.29	4
<b>R5 - Statement 67:</b> Prospective cohort studies to investigate the prognosis after best practice physiotherapy and/ or arthroscopic hip surgery in different sport/ dance/ physical activity level cohorts with femoroacetabular impingement syndrome	2.71	2.02	2.4	2.33	2.02	2.15	2.48	2.38	5
<b>R6 - Statement 68:</b> Randomised controlled clinical trials to investigate what best practice physiotherapy is (e.g. in different populations and settings; pre- and post-surgery)	2.53	2.36	2.57	2.27	1.86	2.12	2.32	2.43	6

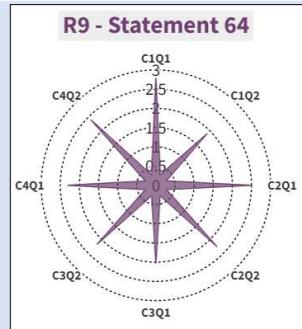
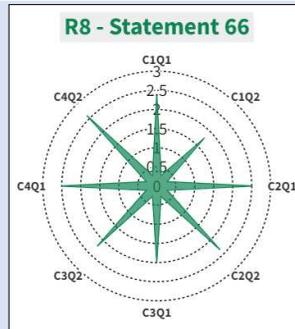
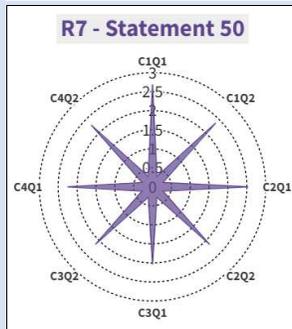


Category (C)	Question (Q)
<b>1. Appropriateness:</b> should we do the research?	1. Is the planned research ethically and morally acceptable? (C1Q1) 2. How adequate is any available research-based information on the topic? (C1Q2)
<b>2. Relevancy:</b> why should we do the research?	1. How much does research in this area contribute to better equity in health and serve the community concern or demand? (C2Q1) 2. What is the size and severity of the problem? (C2Q2)
<b>3. The chances of success:</b> can we do the research?	1. How adequate is the capacity of the system to undertake the research in terms of competency, infrastructure, support system, mechanisms and resources? (C3Q1) 2. How justifiable is the cost running this project? (C3Q2)
<b>4. Impact of the research outcome:</b> what do the stakeholders get out of the research?	1. What are the chances of the recommendations being implemented? (C4Q1) 2. How much impact will this research have on health of the population? (C4Q2)

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\*ENHR ranking exercise: average criterium scores for statements 50, 66 and 64, ranked 7<sup>th</sup> to 9<sup>th</sup> of 18

Statement Detail	C1Q1	C1Q2	C2Q1	C2Q2	C3Q1	C3Q2	C4Q1	C4Q2	Rank
<b>R7 - Statement 50:</b> Prospective cohort studies that investigate how primary cam morphology develops in different sex/ gender cohorts, specifically women cohorts (causal inference approach to investigate gender as a risk factor for primary cam morphology)	2.69	2.37	2.53	2.15	2.04	2.13	2.25	2.29	7
<b>R8 - Statement 66:</b> Randomised controlled clinical trials to investigate best practice physiotherapy vs arthroscopic hip surgery vs sham surgery in cohorts with variable loading demands diagnosed with femoroacetabular impingement syndrome	2.38	1.78	2.52	2.36	1.98	2.22	2.52	2.60	8
<b>R9 - Statement 64:</b> Prospective cohort studies to investigate risk factors for the development and prognosis of femoroacetabular impingement (FAI) syndrome in different cohorts	2.79	1.90	2.48	2.26	2.03	2.17	2.31	2.41	9

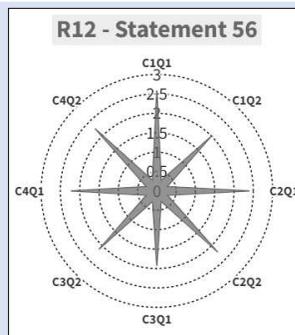
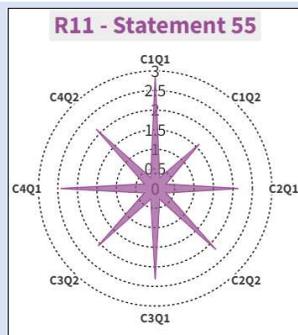
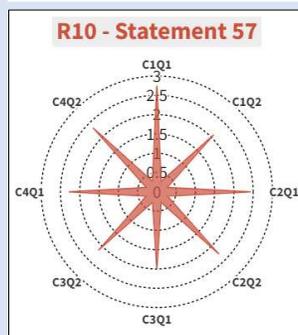


Category (C)	Question (Q)
<b>1. Appropriateness:</b> should we do the research?	1. Is the planned research ethically and morally acceptable? (C1Q1) 2. How adequate is any available research-based information on the topic? (C1Q2)
<b>2. Relevancy:</b> why should we do the research?	1. How much does research in this area contribute to better equity in health and serve the community concern or demand? (C2Q1) 2. What is the size and severity of the problem? (C2Q2)
<b>3. The chances of success:</b> can we do the research?	1. How adequate is the capacity of the system to undertake the research in terms of competency, infrastructure, support system, mechanisms and resources? (C3Q1) 2. How justifiable is the cost running this project? (C3Q2)
<b>4. Impact of the research outcome:</b> what do the stakeholders get out of the research?	1. What are the chances of the recommendations being implemented? (C4Q1) 2. How much impact will this research have on health of the population? (C4Q2)

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\*ENHR ranking exercise: average criterium scores for statements 57, 55 and 56, ranked 10<sup>th</sup> to 12<sup>th</sup> of 18

Statement Detail	C1Q1	C1Q2	C2Q1	C2Q2	C3Q1	C3Q2	C4Q1	C4Q2	Rank
<b>R10 - Statement 57:</b> Prospective cohort studies to investigate how exercise intervention influences the development and prognosis of primary cam morphology in cohorts with variable loading demands	2.75	2.09	2.43	2.28	2.00	2.14	2.28	2.34	10
<b>R11 - Statement 55:</b> Studies (including diagnostic accuracy studies) to determine the diagnostic criteria for Cam and Pincer morphology	2.84	1.60	2.14	2.21	2.32	2.07	2.43	2.14	11
<b>R12 - Statement 56:</b> Studies to develop and validate diagnostic and prognostic models for primary cam morphology in young (maturing) athletes	2.59	1.98	2.40	2.23	1.93	2.12	2.23	2.27	12

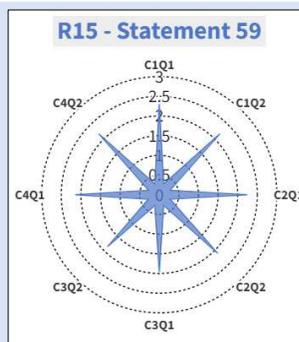
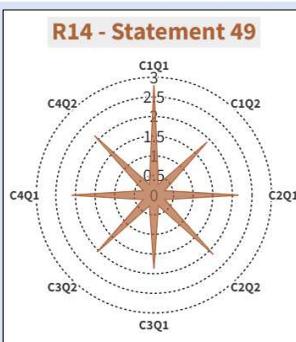
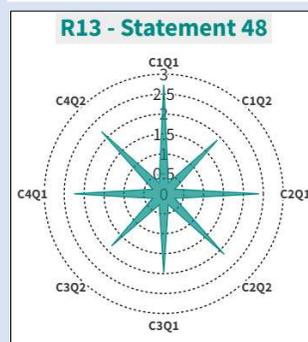


Category (C)	Question (Q)
<b>1. Appropriateness:</b> should we do the research?	1. Is the planned research ethically and morally acceptable? (C1Q1) 2. How adequate is any available research-based information on the topic? (C1Q2)
<b>2. Relevancy:</b> why should we do the research?	1. How much does research in this area contribute to better equity in health and serve the community concern or demand? (C2Q1) 2. What is the size and severity of the problem? (C2Q2)
<b>3. The chances of success:</b> can we do the research?	1. How adequate is the capacity of the system to undertake the research in terms of competency, infrastructure, support system, mechanisms and resources? (C3Q1) 2. How justifiable is the cost running this project? (C3Q2)
<b>4. Impact of the research outcome:</b> what do the stakeholders get out of the research?	1. What are the chances of the recommendations being implemented? (C4Q1) 2. How much impact will this research have on health of the population? (C4Q2)

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\*ENHR ranking exercise: average criterium scores for statements 48, 49 and 59, ranked 13<sup>th</sup> to 15<sup>th</sup> of 18

Statement Detail	C1Q1	C1Q2	C2Q1	C2Q2	C3Q1	C3Q2	C4Q1	C4Q2	Rank
<b>R13 - Statement 48:</b> Prospective cohort studies to investigate risk factors (aetiological and prognostic) of primary cam morphology in different cohorts	2.73	1.90	2.39	2.15	1.96	1.85	2.25	2.20	13
<b>R14 - Statement 49:</b> Prospective cohort studies that investigate how primary cam morphology develops in cohorts with variable loading demands (e.g. difference sports/ dance/ physical activity level cohorts and sedentary cohorts) (causal inference approach to investigate load as a risk factor for primary cam morphology)	2.80	1.91	2.16	2.14	1.87	2.04	2.10	2.14	14
<b>R15 - Statement 59:</b> Studies to investigate the potential benefits and harms of screening for primary cam morphology in young athletes	2.30	2.19	2.24	2.10	1.95	1.86	2.14	2.19	15

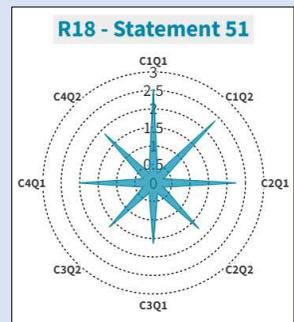
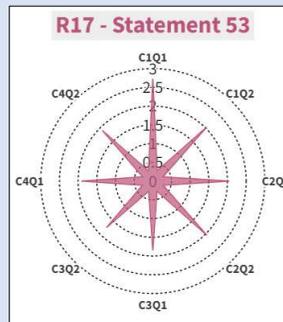
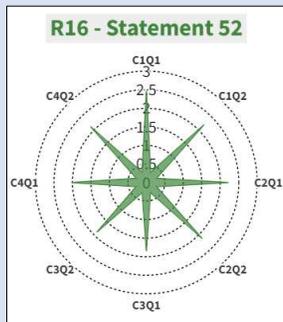


Category (C)	Question (Q)
<b>1. Appropriateness:</b> should we do the research?	1. Is the planned research ethically and morally acceptable? (C1Q1) 2. How adequate is any available research-based information on the topic? (C1Q2)
<b>2. Relevancy:</b> why should we do the research?	1. How much does research in this area contribute to better equity in health and serve the community concern or demand? (C2Q1) 2. What is the size and severity of the problem? (C2Q2)
<b>3. The chances of success:</b> can we do the research?	1. How adequate is the capacity of the system to undertake the research in terms of competency, infrastructure, support system, mechanisms and resources? (C3Q1) 2. How justifiable is the cost running this project? (C3Q2)
<b>4. Impact of the research outcome:</b> what do the stakeholders get out of the research?	1. What are the chances of the recommendations being implemented? (C4Q1) 2. How much impact will this research have on health of the population? (C4Q2)

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**\*ENHR ranking exercise: average criterium scores for statements 52, 53 and 51, ranked 16<sup>th</sup> to 18<sup>th</sup> of 18**

Statement Detail	C1Q1	C1Q2	C2Q1	C2Q2	C3Q1	C3Q2	C4Q1	C4Q2	Rank
<b>R16 - Statement 52:</b> Prospective cohort studies that investigate how primary cam morphology develops in different race/ ethnic cohorts (causal inference approach to investigate race/ ethnicity as a risk factor for primary cam morphology)	2.47	2.20	2.22	2.13	1.85	1.89	2.02	2.13	16
<b>R17 - Statement 53:</b> Prospective cohort studies that investigate other potential risk factors for primary cam morphology (causal inference approach to investigate the following risk factors: anatomical-spine; acetabulum; femur; kinetic and kinematic risk factors; mechanical and biomechanical; other possible risk factors that might emerge over time)	2.73	2.04	2.04	2.04	1.85	1.76	1.91	1.91	17
<b>R18 - Statement 51:</b> Prospective cohort studies that investigate how primary cam morphology develops in different parasport cohorts (causal inference approach to investigate load as a risk factor for primary cam morphology)	2.54	2.38	2.25	1.75	1.64	1.69	2.00	1.87	18



Category (C)	Question (Q)
<b>1. Appropriateness:</b> should we do the research?	1. Is the planned research ethically and morally acceptable? (C1Q1)
	2. How adequate is any available research-based information on the topic? (C1Q2)
<b>2. Relevancy:</b> why should we do the research?	1. How much does research in this area contribute to better equity in health and serve the community concern or demand? (C2Q1)
	2. What is the size and severity of the problem? (C2Q2)
<b>3. The chances of success:</b> can we do the research?	1. How adequate is the capacity of the system to undertake the research in terms of competency, infrastructure, support system, mechanisms and resources? (C3Q1)
	2. How justifiable is the cost running this project? (C3Q2)
<b>4. Impact of the research outcome:</b> what do the stakeholders get out of the research?	1. What are the chances of the recommendations being implemented? (C4Q1)
	2. How much impact will this research have on health of the population? (C4Q2)

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