The Oxford-Aspetar-La Trobe young athlete's hip webinar series

Protecting the young athlete's hip: the frontline of clinical practice and research on primary cam morphology and femoroacetabular impingement (FAI) syndrome

#OxfordHip2021

Date	Title and faculty	CPD credits
October 2020	**1. Primary cam morphology definition and terminology** Clare Ardern, Siôn Glyn-Jones, Paul Dijkstra	1
November 2020	**2. Imaging outcome measures for primary cam morphology and FAI syndrome** Paul Dijkstra, Ara Kassarjian, Andrea Mosler, Eugene McNally, Antony Palmer	1.5
December 2020	**3. What causes primary cam morphology and FAI syndrome?** Rintje Agricola, Paul Dijkstra, Josh Heerey, Siôn Glyn-Jones	1.5
January 2021	**4. Screening and prevention of primary cam morphology in athletes** Rintje Agricola, Paul Dijkstra, Andrea Mosler, Jason Oke	2
February 2021	**5. Hip dysplasia in cam morphology and FAI syndrome – what is the link?** Paul Dijkstra, Siôn Glyn-Jones, Julia Jacobsen, Inger Mechlenburg	2
March 2021	**6. What are the consequences of primary cam morphology?** Rintje Agricola, Paul Dijkstra, Andrea Mosler Siôn Glyn-Jones	2
April 2021	**7. Treatment and prognosis of primary cam morphology and FAI syndrome in young athletes** Paul Dijkstra, Mo Gimpel, Siôn Glyn-Jones, Per Hölmich, Joanne Kemp, Marc Philippon	2
May 2021	**8. Young athlete's hip: research and collaboration** Femi Ayeni, Sheree Bekker, Paul Dijkstra, Sean Mc Auliffe, Antony Palmer, Lauren Pierpoint,	2
June 2021	**9. Involving patient and public in developing, performing and reporting research on primary cam morphology** Paul Dijkstra, Andrea Mosler, Amy Price and Louise Strickland	1.5
September/ October 2021	**10. Individual participant data meta-analysis on primary cam morphology formation and prognosis** Mike Clarke, Gary Collins, Paul Dijkstra, Sally Hopewell	2

Version: 9 May 2020 (4)

Scientific Planning Committee	Paul Dijkstra (Chair), Siôn Glyn-Jones (Co-Chair), Mike Clarke (Co-Chair), Karim Khan, Jason Oke, Joanne Kemp, Andrea Mosler, Louise Strickland, Clare Ardern, Nikki Jeanguyot, Sue King
Scientific Faculty **F 10** **M 14**	Rintje Agricola, Clare Ardern, Femi Ayeni, Sheree Bekker, Gary Collins, Paul Dijkstra, Mo Gimpel, Siôn Glyn-Jones, Josh Heerey, Per Hölmich, Sally Hopewell, Julie Jacobsen, Ara Kassarjian, Joanne Kemp, Sean Mc Auliffe, Eugene McNally, Inger Mechlenburg, Andrea Mosler, Jason Oke, Antony Palmer, Marc Philippon, Lauren Pierpoint, Amy Price, Louise Strickland
Cost	**£100 for all 10 webinars** **(Participants who attend all webinars will be eligible for a discount on #OxfordHip2021 symposium and workshop fees)**
CPD Accreditation	TBC: The Royal College of Surgeons of England (17.5 CPD credits) http://accreditation.rcseng.ac.uk/Home/InfoAccredited
Collaborating Institutions	A collaborative event between the University of Oxford, Aspetar, Qatar Orthopaedic and Sports Medicine Hospital, and La Trobe University. Supported by faculty from: Aarhus University, University of Bath, Copenhagen University, Erasmus University, McMaster University, Philippon Steadman Clinic, Southampton Football Club, Stanford University, Qatar University

Overall Objectives

Following this webinar series participants will be able to:

1. Discuss terminology and definitions for primary cam morphology and femoroacetabular impingement (FAI) syndrome
2. Compare imaging outcome measures in research studies on how primary cam morphology develops and in clinical practice when treating patients with FAI syndrome
3. List the risk factors for primary cam morphology in athletes and discuss the definition, measurement and reporting of these
4. Describe potential benefits and harms of screening for primary cam morphology in athletes, including wise treatment strategies, overdiagnosis and overtreatment
5. Describe hip dysplasia and its role in FAI
6. Discuss primary cam morphology prognosis, including who is likely to develop FAI syndrome and hip osteoarthritis?
7. Discuss wise clinical management of asymptomatic athletes with primary cam morphology and those with FAI syndrome
8. Develop a research plan for prospective research on aetiology and prognosis of hip conditions in the young athlete
9. Develop a plan for Patient and Public Involvement (PPI) in hip research
10. Discuss the role of prospective individual participant data meta-analyses in research on primary cam morphology formation and prognosis

The Oxford Aspetar La Trobe young athlete's hip webinar series

WEBINAR 1: Primary cam morphology definition and terminology (1 hour)

Faculty: Clare Ardern, Siôn Glyn-Jones, Paul Dijkstra Objectives Following this webinar participants will be able to: 1. Apply a standard terminology and definition for primary cam morphology 2. Describe why primary cam morphology in the athlete matters		
How do we talk about and define primary cam morphology?		
	Introduction	Paul Dijkstra, Karim Khan
15 min	Confusing terminology, definitions and outcome measures make it difficult to protect athletes' health	Clare Ardern
15 min	What is primary cam morphology? A concept analysis.	Paul Dijkstra
15 min	Why is primary cam morphology important?	Siôn Glyn-Jones
15 min	Discussion: implications for clinical practice and research	All

WEBINAR 2: Imaging outcome measures for primary cam morphology 1.5 hours)

Faculty: Paul Dijkstra, Ara Kassarjian, Andrea Mosler, Eugene McNally, Antony Palmer Objectives Following this webinar participants will be able to: 1. Choose wisely the appropriate imaging for studies on how primary cam morphology develops and for femororacetabular impingement syndrome in clinical practice 2. Describe the factors to consider when planning serial scanning for research in adolescent athletes		
How do we diagnose cam morphology and FAI syndrome?		
	Introduction	Paul Dijkstra
20 min	What are the best imaging modalities and standards for research on how primary cam morphology develops?	Eugene McNally
20 min	This is how I do serial hip MRI-scans in research on how primary cam morphology develops.	Ara Kassarjian
20 min	Should the imaging core outcome set(s) for primary cam morphology research be different to that used when managing FAI syndrome in clinical practice?	Antony Palmer
10 min	A parent's perspective: "Will I allow my athlete-child to participate in a research project involving regular scanning?"	Andrea Mosler
20 min	Discussion: implications for primary cam morphology research	

WEBINAR 3: What causes primary cam morphology and FAI syndrome? (90 min)

Faculty: Rintje Agricola, Paul Dijkstra, Siôn Glyn-Jones, Josh Heerey Objectives Following this session participants will be able to: 1. Describe the possible causes of primary cam morphology 2. List the risk factors for primary cam morphology		
What causes cam morphology & femoroacetabular impingement (FAI) syndrome?		
	Introduction	Paul Dijkstra
20 min	Do we know yet what causes primary cam morphology in athletes? The role of the femoral capital growth plate	Siôn Glyn-Jones
15 min	Modelling load—what is it about load in sport that might cause primary cam morphology?	Rintje Agricola
15 min	Is sport a risk factor for primary cam morphology? – a systematic review	Paul Dijkstra
20 min	What causes FAI syndrome?	Josh Heerey
20 min	Panel discussion	All

WEBINAR 4: Screening and prevention of primary cam morphology in athletes (2 hours)

Faculty: Rintje Agricola, Paul Dijkstra, Andrea Mosler, Jason Oke, Objectives Following this session participants will be able to 1. Make wise decisions on screening for primary cam morphology in athletes 2. Describe the current evidence for primary cam morphology prevention		
Should we screen for cam morphology to prevent FAI syndrome?		
	Introduction	Paul Dijkstra
20 min	Screening the young and older athlete for cam morphology – why, how, who and when?	Andrea Mosler
20 min	Is overdiagnosis and overtreatment a reasonable concern when screening young athletes for cam morphology?	Jason Oke
20 min	Is it possible (yet) to prevent cam morphology in young athletes?	Rintje Agricola
30 min	Panel discussion	All

WEBINAR 5: Hip dysplasia in cam morphology and femoroacetabular impingement (FAI) syndrome – what is the link? (2 hours)

Faculty: Paul Dijkstra, Siôn Glyn-Jones, Julia Jacobsen, Inger Mechlenburg Objectives Following this session participants will be able to 1. Describe the current evidence for dysplasia in femoroacetabular impingement and primary cam morphology		
Is hip dysplasia associated with primary cam morphology and FAI syndrome?		
	Introduction	Paul Dijkstra
20 min	What is hip dysplasia and is there a role for physiotherapy?	Inger Mechlenburg
20 min	Hip dysplasia in cam morphology and FAI syndrome – what is the link?	Julia Jacobsen
20 min	How do we manage hip dysplasia in the athlete? When is surgery indicated and what types of surgery should we consider?	Siôn Glyn-Jones
30 min	Panel discussion	All

WEBINAR 6: What are the consequences of primary cam morphology? (2 hours)

Faculty: Rintje Agricola, Paul Dijkstra, Siôn Glyn-Jones, Andrea Mosler Objectives Following this session participants will be able to 1. Consider stakeholder (patient, parents and sports coaches) views on primary cam morphology development and screening 2. What are the possible consequences of primary cam morphology? 3. Discuss primary cam morphology in athletes as a risk factor for hip osteoarthritis		
Consequences of primary cam morphology in the athlete		
	Introduction	Paul Dijkstra
15 min	Will athletes with primary cam morphology develop groin pain?	Andrea Mosler
15 min	What is the relationship between primary cam morphology, hip pain and early OA?	Josh Heerey
15 min	Who will develop osteoarthritis?	Siôn Glyn-Jones
15 min	Can we prevent athletes with large primary cam morphologies from developing osteoarthritis?	Rintje Agricola
30 min	Panel discussion	All

WEBINAR 7: Treatment and prognosis of primary cam morphology and femoroacetabular impingement in young athletes (2 hours)

Faculty: Paul Dijkstra, Mo Gimpel, Siôn Glyn-Jones, Per Hölmich, Joanne Kemp, Marc Philippon Objectives Following this session participants will be able to 1. Design an effective physiotherapy program for athletes with FAI syndrome and primary cam morphology 2. List the indications for surgery in athletes with FAI syndrome and primary cam morphology 3. Develop a wise treatment plan for the athlete with asymptomatic primary cam morphology or FAI syndrome and primary cam morphology		
Treatment and Prognosis of primary cam morphology and FAI syndrome in athletes		
	Introduction	Paul Dijkstra
20 min	What is best practice physiotherapy for the athlete with primary cam morphology and early FAI syndrome?	Joanne Kemp
20 min	Clinical pearls in managing early primary cam morphology – the Southampton Football Club experience	Mo Gimpel
20 min	What are the indications for surgery for the athlete with primary cam morphology and early FAI syndrome?	Per Hölmich
20 min	Physiotherapy vs hip arthroscopy for athletes with FAI syndrome – current evidence	Siôn Glyn-Jones
20 min	What are the best surgical options for the athlete with debilitating FAI syndrome	Marc Philippon
20 min	Panel Discussion	All

WEBINAR 8: Young athlete's hip: high quality research and collaboration (2 hours)

Faculty: Femi Ayeni, Sheree Bekker, Paul Dijkstra, Sean Mc Auliffe, Antony Palmer, Lauren Pierpoint, Objectives Following this session participants will be able to 1. Apply a framework for high quality clinical research 2. List the factors contributing to complexity in research 3. Discuss the importance of hip research collaboration		
High quality research and collaboration		
	Introduction	Paul Dijkstra
15 min	Stakeholder perspectives on factors contributing to high quality research on how primary cam morphology develops in athletes - a qualitative interview study	Sean Mc Auliffe and Paul Dijkstra
15 min	Planning collaborative research on primary cam morphology formation – top tips.	Femi Ayeni
15 min	Lessons from the FAIM study	Antony Palmer
15 min	Why is clinical research so complex?	Sheree Bekker
15 min	Why is it important to collaborate and share data in hip research?	Lauren Pierpoint
15 min	Challenges and opportunities in running consensus meetings	Joanne Kemp
30 min	Panel Discussion	All

WEBINAR 9: Involving patient and public in developing, performing and reporting research on primary cam morphology (90 min)

Faculty: Paul Dijkstra, Amy Price, Andrea Mosler Objectives Following this session participants will be able to 1. Describe patient and public involvement (PPI) in planning, performing and reporting research 2. Develop a plan for PPI involvement in research on primary cam morphology		
Patient and public involvement in research		
	Introduction	Paul Dijkstra
15 min	Patient and public involvement (PPI) in research – what is it and why is this so important?	Amy Price
15 min	A parent's perspective: my child is a young competitive football player at risk of developing primary cam morphology - should I worry?	Andrea Mosler
15 min	What are the essential components of a plan for PPI in research?	Amy Price
15 min	Involving patients in developing patient related outcome measures in hip research	Louise Strickland
30 min	Research and Collaboration Panel Discussion	All

WEBINAR 10: Young athlete's hip: sharing data – prospective individual participant data (IPD) meta-analysis (2 hours)

Faculty: Mike Clarke, Gary Collins, Paul Dijkstra, Sally Hopewell Objectives Following this session participants will be able to 1. Describe the different types of individual participant data meta-analysis 2. Discuss the statistical considerations for individual participant data meta-analysis 3. Consider the benefits and challenges of a prospective individual participant data meta-analysis for primary cam morphology formation and prognosis		
Why is a prospective IPD meta-analysis important?		
	Introduction	Paul Dijkstra
20 min	What is an Individual Patient Meta-analysis?	Mike Clare
20 min	Statistical pearls when planning an IPD meta-analysis	Gary Collins
20 min	Planning trials for future Individual Participant Data meta-analysis – is it possible?	Sally Hopewell
15 min	Open Science – challenges and opportunities	tbc
15 min	Consensus on a protocol for a prospective individual participant data meta-analysis on primary cam morphology formation and prognosis	Paul Dijkstra
30 min	Research and Collaboration Panel Discussion	All