

CALON SUITE PROGRAMME

THURSDAY 13 OCTOBER

08:45 Registration (Calon Lobby) and Refreshments (Bar)

09:10 Welcome by the President of BSSH

Free Paper Session 1

Chairs: Mr D Newington and Ms H Smith

09:20 **A qualitative study of hand surgeons' and therapists' opinions of patient-reported outcome measures in common hand conditions**

Miss H Lloyd-Hughes (Presenter), Mr J Rodrigues, Professor D Beard, Dr M Peters, Professor A Jain (Senior) (Oxford)

09:27 Discussion

09:30 **Can we use routinely collected hospital and GP data for epidemiological study into common hand conditions? A UK Biobank based validation project**

Miss J Lane¹ (Presenter), Dr C Schnier², Professor J Green¹, Professor D Furniss¹, Professor C Sudlow² (Senior) (Oxford¹, Edinburgh²)

09:37 Discussion

09:40 **Do hand surgery clinic patients mirror a normal population? Results of a real time iPad based PROMS system**

Mr L C Bainbridge (Presenter) (Derby)

09:47 Discussion

09:50 **New insights into the validity of the Quick-DASH using Rasch analysis: a cross-sectional analysis of patients referred with musculoskeletal shoulder pain**

Dr C Jerosch-Herold (Presenter), Dr R Chester, Professor L Shepstone (Senior) (Norwich)

09:57 Discussion

- 10:00 Measuring Dart Thrower's Motion at the wrist: a new method for correcting goniometry**
Miss V Vardakastani¹ (Presenter), Miss H Bell¹, Miss S Mee¹, Mr G Brigstocke², Dr A Kedgley¹ (Senior) (London¹, Surrey²)
- 10:07 Discussion**
- 10:10 Motor control of Dart Throwing Motion: simultaneous electromyography and motion analysis of the forearm muscles during activities of daily living**
Dr R Moverley¹ (Presenter), Mr P Biggs¹, Mr G Brigstocke², Dr G Whatling¹ (Senior) (Cardiff¹, Surrey²)
- 10:17 Discussion**
- 10:20 Novel wrist joint simulator**
Mr D Shah (Presenter), Ms C Middleton, Mrs S Gurdezi, Mr M Horwitz, Dr A Kedgley (Senior) (London)
- 10:27 Discussion**
- 10:30 Refreshments and Exhibition (Calon Lobby/Brecon Suite)**

Wrist Arthroscopy Symposium

Chair: Mr Z Naqui

- 10:55 Introduction**
Mr Z Naqui (Manchester)
- 11:00 Why diagnostic wrist arthroscopy is a procedure of significant clinical value**
Mr J Compson (London)
- 11:10 What is the role of small joint arthroscopy in the hand?**
Dr C Wong (Hong Kong)
- 11:20 Effectiveness of arthroscopy in ulnar sided wrist pain**
Mr C Heras-Palou (Derby)
- 11:30 Does arthroscopy really make a difference in distal radius fracture?**
Dr G Couzens (Brisbane)
- 11:40 Arthroscopic management of the scaphoid**
Dr C Wong (Hong Kong)

Programme: 11.50 – 15:35

- 11.50 **The role of arthroscopy in chronic carpal instability**
Mr C Heras-Palou (Derby)
- 12.00 **The future of arthroscopy in hand & wrist surgery**
Dr G Couzens (Brisbane)
- 12.10 **Questions**

Harold Bolton Lecture

Chairs: Mr R E Eckersley and Professor I A Trail

- 12:20 **Scaphoid fractures – the past, the present and the future**
Professor J J Dias (Leicester)
- 12:50 **Presentation of BSSH Diploma and MSC certificates**
- 13:00 **Lunch and Exhibition (Calon Lobby/Brecon Suite/Bar)**

Guest Lecture

Chair: Mr D A Campbell

- 14:00 **Surgery, science and commerce: think it, build it, use it**
Dr G Couzens (Brisbane)

Education Symposium

Chair: Ms L Hadfield-Law

- 14:25 **Improving your memory – how to build a memory palace**
Mr D Ryan (Gloucester) and Dr A Ralby (Cambridge)
- 14:40 **Surgical boot camps**
Dr G Pickering (Bristol)
- 14:55 **ISCP – predicted achievements and challenges**
Ms E Elsey (Nottingham)
- 15:10 **Simulation on smart phones**
Mr A Gandhe (Portsmouth)
- 15:25 **Discussion**
- 15:35 **Refreshments and Exhibition (Calon Lobby/Brecon Suite)**

Guest Lecture

Chair: Mr M J Hayton

16:05 Hand surgery, inside and outside the scope
Dr C Wong (Hong Kong)

BSSH Session

16:30 Dupuytren's Interventions Surgery vs Collagenase
Professor J J Dias (Leicester)

16:40 Audit
Miss S Fullilove (Plymouth)

17:00 Hand Trauma
Miss J S Arrowsmith (Derby) and Mr S Hetteriatchy (London)

17:20 Overseas Activities
Mr S P Hodgson (Bolton)

17:30 Close

17:35 BSSH AGM (Calon Suite)

17:35 BAHT AGM (Pembroke Suite)

FRIDAY 14 OCTOBER

SOBI Symposium

07:30 Dupuytren's contracture, collagenase and the law – what you need to know

08:00 Registration and Refreshments (Calon Lobby/Brecon Suite)

Free Paper Session 3

Chairs: Mrs L Leonard and Miss C Fowler

08:30 Evaluation of nerve repair outcomes from a National Registry on the utilization of processed nerve allografts, tube conduit, and nerve autograft

Dr B Safa¹ (Presenter), Dr I Valerio², Dr J Shores³, Dr P Evans⁴, Dr H Hoyen⁴,

Dr G Buncke¹ (Senior) (San Francisco¹, Columbus², Baltimore³, Cleveland⁴)

08:35 Discussion

08:37 An evaluation of rate of patients' return to activities of daily living following carpal tunnel decompression

Dr J Fazekas (Presenter), Mr N Rupani, Mr N Riley, Mr C Little (Senior) (Oxford)

08:42 Discussion

08:44 Local anesthetic sympathetic blockade for Complex regional Pain Syndrome: an updated Cochrane systematic review

Dr N O'Connell¹ (Presenter), Professor B Wand², Dr W Gibson², Professor D Carr³, Professor F Birklein⁴, Dr T Stanton⁵ (Uxbridge¹, Fremantle², Boston³, Mainz⁴, Adelaide⁵)

08:49 Discussion

08:51 Physiotherapy interventions for pain and disability in adults with Complex Regional Pain Syndrome (CRPS) types I and II: a Cochrane systematic review

Dr N O'Connell¹ (Presenter), Professor B Wand², Dr K Smart³ (Senior) (Uxbridge¹, Fremantle², Dublin³)

08:56 Discussion

08:58 Selective fiber degeneration in the peripheral nerve of a patient with severe chronic regional pain syndrome

Dr A Yvon (Presenter), Dr A Faroni, Mr A Reid, Professor V Lees (Senior) (Manchester)

09:03 Discussion

09:05 Post-operative prescribing following carpal tunnel decompression is inefficient and costly

Mr N Rupani (Presenter), Dr J Fazekas, Mr N Riley, Mr C Little (Senior) (Oxford)

09:10 Discussion

Bell Session 5

Chairs: Mr I D Russell and Miss C Fowler

09:15 The virtual fracture clinic – Optimising the trauma footfall through a regional hand trauma unit

Dr A Ibrahim (Presenter), Mr D J Jordan, Mr M A A Khan, Ms C Svee, Mr A G Lowrie, Miss K J G Munro (Senior) (Dundee)

09:18 Bent or straight, does it matter: patient reported outcomes at 12 months after splinting of closed mallet injuries

Dr B Tsang (Presenter), Mrs G Gatenby, Mrs T Gibson, Mrs L Marshall, Mrs S Kettle, Mr S Dalal (Senior) (Sunderland)

09:21 Evaluating touch sensibility in the hand; choosing the right tool for the job

Ms D Kennedy (Presenter), Mr S Hettiaratchy, Professor A S C Rice (Senior) (London)

09:24 Evolution of Hand Trauma Referral Service at a Tertiary Referral Centre

Mr B Nizar (Presenter), Mr H Bella, Mr G Yim, Mr J Osborne-Wylde, Ms C Deall, Mr D Power, Mr M Foster (Senior) (Birmingham)

09:27 Preventing pin site infection in hand and wrist operations – can dressings take the place of prophylactic antibiotics?

Miss J Clutton (Presenter), Mr K Wronka, Mr D Shewring, Mr A Logan, Mr R Trickett, Miss T Wilkinson (Senior) (Cardiff)

- 09:30 The comparison of radiological appearances and clinical outcomes of pyrocarbon PIPJ replacements at average 7 years**
Mr A Fong (Presenter), Mr P Storey, Mr S Bostock (Senior) (Sheffield)
- 09:33 Medium to long term results of the Pyrocarbon Proximal Interphalangeal joint replacement from a district general hospital**
Mr J Giddie (Presenter) (Peterborough)
- 09:36 Extension deficit after flexor tendon repair: a correlation study and an audit of outcome**
Dr E Farrar (Presenter), Dr G Filobos, Mr G Titley (Senior) (Birmingham)
- 09:39 Combined capitate shortening osteotomy and vascularised bone grafting for the treatment of Kienbock's disease in ulnar neutral and positive wrists: results using this novel technique**
Mr A R Hunter (Presenter), Mr P Robinson, Professor I Trail (Senior) (Wrightington)
- 09:42 Discussion**

Guest Lecture

Chair: Prof G E D Giddins

- 09:45 A pictorial history of medical negligence: the surgeon as an expert witness**
Mr D Shewring (Cardiff)

Dystonia Symposium

Chair: Mr L Garagnani

- 10:00 Dystonia – the bigger and smaller picture**
Dr K Rosenkranz (Mannheim)
- 10:15 Dystonia - hand function and brain encoding**
Dr A Sadnicka (London)
- 10:30 Dystonia - assessment and treatment techniques**
Ms K Butler (London)
- 10:40 Refreshments and Exhibition (Calon Lobby/Brecon Suite)**

Guest Lecture

Chair: Mr N Downing

- 11:10 What do we know and do not know about carpal tunnel syndrome**
Dr I Atroshi (Lund)

Anatomy Keynote Lecture

Chair: Mr D M Evans

- 11:35 The anatomical basis of tests of function in the hand**
Mr D Sammut (Bath) and Mr H Giele (Oxford)

BSSH Session

- 12:45 INDICATE – P:Pilot RCT of injection or decompression for CTS**
Mr W Mason (Gloucester)
- 13:00 Instructional Course information**
Mr L Muir (Salford)
- 13:03 BSSH Presidential handover**
Mr R Eckersley (London)
- 13:05 Lunch and Exhibition (Calon Lobby/Brecon Suite/Bar)**

Work Related Disease Symposium

Chair: Professor J J Dias

- 14:00 Is your work doing you harm**
Mr N Downing (Nottingham)
- 14:10 Is there an association between carpal tunnel syndrome and work?**
Dr I Atroshi (Lund)
- 14:30 What is the association between vibration exposure and carpal tunnel syndrome?**
Professor T R C Davis (Nottingham)
- 14:50 Discussion**

Free Paper Session 7

Chairs: Mr A Watts and Ms L Topcuoglu

- 15:00 Ulnar nerve decompression at the cubital tunnel and the effect upon outcome scores in patients that undergo the procedure under local and general anaesthesia**
Mr S Ajwani (Presenter), Mr R Unsworth, Dr M Tseng, Mr M Madi, Mr J Warner, Mr P Wykes (Senior) (Bolton)
- 15:05 Discussion**
- 15:07 Are nerve conduction studies necessary? The development and evaluation of a patient-completed screening version of the Carpal Tunnel Questionnaire for use in primary care**
Mr C Edwards (Presenter) (Torquay)
- 15:12 Discussion**
- 15:14 Psychological impairment following traumatic upper limb peripheral nerve injury: a systematic review**
Mrs C Miller¹ (Presenter), Mrs A L Peek², Mr D Power¹, Dr N R Heneghan¹ (Senior) (Birmingham¹, Somerset²)
- 15:19 Discussion**
- 15:21 Nerve transfer surgery as a salvage option for severe recalcitrant motor radiculopathy**
Mr T Chaudhry (Presenter), Mr D Samson, Mr S Tan, Mr D Power (Senior) (Birmingham)
- 15:26 Discussion**
- 15:28 Method for analysis of laminin endoneurial tube scaffolding in peripheral nerve allograft using quantitative histomorphometry**
Mr E DeVinney (Presenter), Mrs B Bulter, Ms J Faleris, Dr C Deister, Dr M Friedman, Gainesville (Senior) (Florida)
- 15:33 Discussion**
- 15:35 Transplantation of adipose-derived stem cells differentiated into Schwann-cell like phenotype improves functional outcome after experimental peripheral nerve injury**
Dr T Madura¹ (Presenter), Dr K Tomita² (Manchester¹, Osaka²)
- 15:40 Discussion**

- 15:42 Analysis of the 3D microstructure and gene expression of a peripheral nerve before and after injury**
Mr Benjamin Kadler (Presenter), Dr A D A M Reid (Senior), Dr A Faroni (Manchester)
- 15:47 Discussion**
- 15:49 3D printing and the brachial plexus**
Mr M Lloyd (Presenter) (Swansea)
- 15:54 Discussion**
- 15:56 The neurovascular V-Y advancement flap. A novel technique to bridge digital nerve defects up to 1.5 centimetres**
Mr S George, Liverpool (Presenter); Mr I Khan, Liverpool (Senior)
- 16:01 Discussion**

CAERNARFON SUITE PROGRAMME

THURSDAY 13 OCTOBER

MORNING SESSION

Trauma Symposium

Chair: Mr M A Pickford

- 09:20 Challenges in hand trauma – the MTC perspective
Mr S Hettiaratchy (London)
- 09:35 Challenges in hand trauma – the DGH perspective
Mr W Mason (Gloucester)
- 09:50 Rehabilitation post-major trauma – the considerations, priorities and challenges
Ms Z Clift¹, Ms J Chalmer² (Derby¹, London²)
- 10:20 Discussion
- 10:30 Refreshments and Exhibition (Calon Lobby/Brecon Suite)

Free Paper Session 2

Chair: Ms S Tomkins and Mr P Grieve

- 11:00 Evaluating accuracy of plain MRI or MR Arthrogram vs Wrist Arthroscopy in the diagnosis of Scapholunate inter-osseous ligament injury
Mr M S Arshad¹ (Presenter), Mr N Kader², Mr K Naikoti¹, Mr D Makki¹, Professor R Murali¹, Wigan (Senior) (Wigan¹, Manchester²)
- 11:05 Discussion
- 11:07 Can three Tesla magnetic resonance imaging (3T-MRI) predict wrist pathology in comparison with arthroscopic assessment?
Mr M David (Presenter), Mr D Avis, Dr R Botchu, Dr S Choudhary, Ms C Gray, Mr M Brewster (Senior) (Birmingham)
- 11:12 Discussion
- 11:14 Experience of collagenase injection for Dupuytren's contracture
Mrs J Greenhowe (Presenter), Dr Y M Lai, Mr A Lowrie, Mr A Lambah (Senior) (Dundee)
- 11:19 Discussion

- 11:21 Dupuytren's disease predicts increased mortality: a large study in primary care in the UK**
Miss R Kuo (Presenter), Professor D Prieto-Alhambra, Professor D Furniss (Senior) (Oxford)
- 11:26 Discussion**
- 11:28 A genetic risk score predicts high risk features and recurrent surgery in Dupuytren's disease**
Dr O Manley (Presenter) (Oxford)
- 11:33 Discussion**
- 11:35 RCT comparing two flexor tendon early active motion regimes: wrist tenodesis vs. modified Belfast**
Miss E van der Veen (Presenter), Mrs M Osborne, Miss R Naughton, Mrs G Horsfall (Senior) (London)
- 11:40 Discussion**
- 11:42 Epidemiology of paediatric flexor tendon injuries in a Canadian tertiary care centre**
Dr A Ghumman (Presenter), Dr C Malic (Senior), Ms S Maghera (Ottawa)
- 11:47 Discussion**
- 11:49 A multicentre observational study of clinical practice variation in the management of open fractures and flexor tendon injuries of the hand**
Mr M D Gardiner¹ (Presenter); Miss E Reay, Miss J Lane, Miss J Arrowsmith, Miss R Lester, Mr S Hettiaratchy¹, Professor A Jain (Senior) (London¹, Middlesbrough², Oxford³, Derby⁴, Birmingham⁵)
- 11:54 Discussion**
- 11:56 Biomechanical comparison of three tenodesis techniques for the treatment of scapholunate instability: A Cadaveric Randomised Study**
Miss E M Pinder¹ (Presenter); Miss N Fischer², Miss F Reifenschneider², Miss M Piepenbrink², Mr S Talwalkar¹ (Senior) (Wrightington¹, Munich²)
- 12:01 Discussion**

Programme: 12:03 – 17:30

12:03 Does correction of carpal malalignment influence failure rate of scaphoid non-union surgery?

Miss A Lupu (Presenter), Mr A Mohamed, Mr J Harrison (Senior)
(Newcastle Upon Tyne)

12:08 Discussion

13:00 Lunch and Exhibition (Calon Lobby/Brecon Suite/Bar)

AFTERNOON SESSION

15:35 Refreshments and Exhibition (Calon Lobby/Brecon Suite)

BAHT Research Symposium

Chair: Professor A Jain

16:30 Talk the talk! Building your research CV

Ms D Kennedy (London)

16:45 Building collaborative and translational lab based research in hand surgery

Dr A Reid (Manchester)

17:00 Show me the money! Getting your research funded

Ms L Newington (London)

17:15 Successful grant applications – what do funding boards and reviewers look for in a good application?

Dr C Jerosch-Herold (Norwich)

17:30 Close

FRIDAY 14 OCTOBER

MORNING SESSION

Free Paper Session 4

Chairs: Mr R Savage and Mrs H Davey

- 08:30 Morphology of the DRUJ-A CT based study**
Mr J Edwin¹ (Presenter), Mr J Stanton², Mr J Compson¹ (Senior)
(London¹, Sheffield²)
- 08:35 Discussion**
- 08:37 Hand function improves within 1 month with certolizumab pegol anti-TNF treatment in rheumatoid arthritis**
Ms C Ball¹ (Presenter), Mr J Mmesi², Dr D Tennekone², Dr T Wickmaratne³, Dr A Bhatia⁴, Dr S Woodham⁴, Dr S Abraham², (Senior) (Oxford¹, London², Romford³, Uxbridge⁴)
- 08:42 Discussion**
- 08:44 A computational musculoskeletal model of the PIP joint generated with anatomical data from MR, CT and optical motion capture**
Professor D Warwick (Presenter), Dr C W G Phillips (Senior), Dr A Forrester, Dr L King, Dr C Metcalf, Dr A Dickinson (Southampton)
- 08:49 Discussion**
- 08:51 The modified Tupper interposition arthroplasty: a detailed surgical description**
Mr R W Trickett¹ (Presenter), Mrs J Bullock², Mr J Oni² (Senior)
(London¹, Nottingham²)
- 08:56 Discussion**
- 08:58 The outcomes of proximal phalangeal fractures treated with peri-articular k-wires**
Mr R W Trickett¹ (Presenter), Mr D Shewring¹ (Senior), Dr A Smith²
(Cardiff¹, London²)
- 09:03 Discussion**
- 09:05 Enhancing cadaveric flap surgery simulation**
Mr T Chouari¹ (Presenter), Mrs L Watson², Mr J Ahmed¹, Mr A Curnier¹, Professor S Parson¹, Miss E Bradshaw¹ (Aberdeen¹, Bristol²)
- 09:10 Discussion**

Bell Session 6

Chairs: Mr I McNab and Mrs H Davey

- 09:15 Audit of plastic surgery trauma operation notes: an improvement in standard**
Mr C Deutsch (Presenter), Miss A Hameed, Miss E Mathew, Mr A Sierakowski (Senior) (Chelmsford)
- 09:18 A systematic review of chlorhexidine vs povidone-iodine in their aqueous and alcoholic forms for preoperative skin**
Mr W Cobb¹ (Presenter), Mr L Dingle², Miss R Zarb Adami³, Mr J Rodrigues¹(Senior) (Oxford¹, Slough², Cambridge³)
- 09:21 Persistence of the median artery in the British population: a cadaveric study**
Mr S Ajwani (Presenter), Professor I Gouldsbrough (Senior) (Manchester)
- 09:24 Patient opinion: post-operative splinting after needle aponeurotomy for Dupuytren's contracture**
Mr A Duguid (Presenter), Miss C Pilbeam, Mr C Bainbridge (Senior) (Derby)
- 09:27 Five year follow-up of needle aponeurotomy for Dupuytren's Disease**
Miss K Steele (Presenter), Mrs S Kearsley, Miss M O'Brien, Mr P Russell, Miss J Arrowsmith (Senior) (Derby)
- 09:30 Collagenase use: a survey of BSSH members**
Miss C A Middleton¹ (Presenter), Mr Horwitz², Mr R Eckersley² (Senior) (Reading¹, London²)
- 09:33 The use of bone anchors in the surgical repair of flexor digitorum profundus: is the distal phalanx too small? A cadaveric study**
Miss S Bond (Presenter) (Edinburgh)
- 09:36 Hand injuries in tag rugby: a five-year study**
Dr G Rahmani¹ (Presenter), Mr C Joyce² (Senior), Mr J Woods¹, Dr S Murphy³, Dr S Bollard³, Professor J Kelly¹, Professor S Carroll³, Mr M O'Shaughnessy² (Galway¹, Cork², Dublin³)
- 09:39 Observations on the syntheses ulnar shortening system**
Mr P Johnston (Presenter), Mr G Hourston, Miss Y Khan, Mr A Memarzadeh, Mr J Hopkinson-Woolley (Cambridge)

- 09:42 Discussion
12:45 Question and answer session with speakers from Dystonia symposium
13:05 Lunch and Exhibition (Calon Lobby/Brecon Suite/Bar)

AFTERNOON SESSION

Free Paper Session 8

Chairs: Mr A Logan and Ms N Hern

- 15:00 Perioperative anticoagulation in digital replantation: a systematic review
Dr D Reissis¹ (Presenter); Mr J Rodrigues², Miss R Zarb Adami³, Mr D Nikkhah¹ (Senior) (London¹, Oxford², Cambridge³)
- 15:05 Discussion
- 15:07 Soft tissue sarcoma of the hand and wrist - the Newcastle experience
Mr S Nicholson (Presenter), Mr R Milner, Mr M Ragbir (Senior) (Newcastle upon Tyne)
- 15:12 Discussion
- 15:14 Giant cell tumours in hands: dual centre experience of 287 cases
Mr L Linney¹ (Presenter), Miss J Pikturaitė¹, Mr F Al-Hassani², Dr B Mathew¹, Mr A Platt¹, Mr D Thornton², Mr R Pinder¹ (Senior) (Hull¹, Leeds²)
- 15:19 Discussion
- 15:21 Giant cell tumours: a case-controlled study of a recurrent problem
Mr L Linney¹, Miss J Pikturaitė¹, Mr F Al-Hassani² (Presenter), Dr C Jennings¹, Dr B Matthew¹, Mr A Platt¹, Mr D Thornton², Mr R Pinder¹ (Senior) (Hull¹, Leeds²)
- 15:26 Discussion
- 15:28 An insight into the pathogenesis of Radial Aplasia using fate-mapping as a novel technique in determining the embryological basis of the radius
Miss J D H Oh¹ (Presenter), Dr L Freem¹, Professor H Sang¹, Dr M G Davey¹, Mr W L Lam² (Senior) (Easter Bush¹, Edinburgh²)

15:33 Discussion

15:35 Preservation of vascularised limb allografts using ex-vivo normothermic perfusion

Mr K Amin (Presenter), Mr J Stone, Miss T Major, Mr W Critchley, Miss R Edge, Dr A Ball, Miss C Chhina, Mr J Wong, Dr J Fildes (Senior) (Manchester)

15:40 Discussion

15:42 Comparing platelet rich plasma (PRP) injection with surgical intervention for the management of refractory lateral epicondylitis. A randomised clinical trial

Mrs A Birch¹ (Presenter), Professor I Trail¹ (Senior), Mr B Morgan², Mr S Talwalker¹, Professor A Watts¹, Dr D Nuttall¹ (Wigan¹, Stockport²)

15:47 Discussion

15:49 Epidemiology of distal radius fractures in adults in a geographically defined population

Mr N Johnson (Presenter), Mr E Stirling, Professor J Dias (Senior) (Leicester)

15:54 Discussion

15:56 Development of an overseas hand therapy curriculum - early experience and lessons learned in Cambodia

Mrs R Bhopal¹ (Presenter), Mrs B Yin², Mr P Toun², Mr J Gollogly², Mr V Rajaratnam³, Mr W L Lam⁴ (Senior) (Edinburgh¹, Phomn Penh², Singapore³, Livingstone⁴)

16:01 Discussion