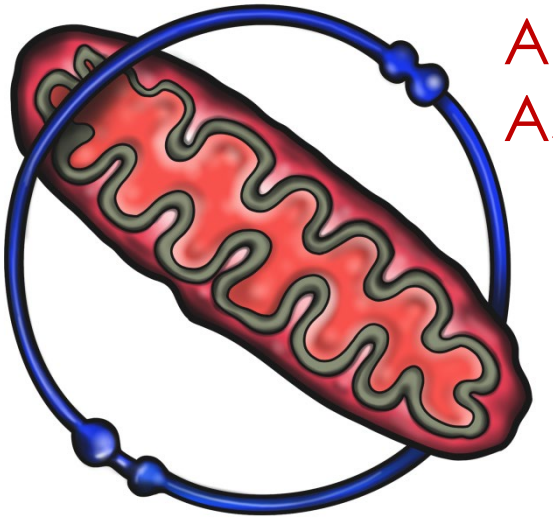
	WELCOME	
08:30 - 09:00	**Dr Hina Tariq, Bradford Royal Infirmary**	**The Indispensable Role of Electron Microscopy in Resolving Complex Renal Diagnoses: A Case Series**
09:00-09:30	**Dr Summaya Chaudry, Manchester University NHSFT** **Dr Praveen Shankar Balasubramanian, Manchester University NHS Foundation Trust**	**FROM PATIENT TO PIXELS: THE JOURNEY OF A RENAL BIOPSY IN THE ELECTRON MICROSCOPY LAB** **Organised Glomerular Deposits: The Enduring Diagnostic Value of Electron Microscopy**
09:30-10:00	**Dr Patricia Goggin, University Hospital Southampton**	**Could SEM be the new TEM?**
BREAK		
10:30-11:00	**Dr Maria Soares, Oxford University Hospitals NHSFT**	**Not your usual deposits**
11:00-11:30	**Dr Kim Pramanik** **Sheffield Teaching Hospitals NHSFT**	**Tufting Enteropathy**
11.30 – 12.00	**ACEM AGM**	
LUNCH		
14:00-14:30	**Dr Jean Hou, Cedars Sinai Medical Centre**	**Complex Kidney Cases and Definitive Diagnosis: When electron microscopy has the final word**
14:30-15:00	**Dr Azzam Ismail, Leeds Teaching Hospitals NHS Trust**	**The diagnostic value of EM in skeletal muscle biopsy: A service evaluation study at Leeds Teaching Hospitals - NHS Trust**
15:00-15:30	**Dr Aml Mousa** **Liverpool University Teaching Hospital** **Dr Howida Shawki** **Royal Liverpool University Hospital**	**Electron Microscopy Beyond the Glomerulus: Crystalline Light Chain Tubulopathy and Related Lesions**
BREAK		
16:00-16:30	**Dr Sarah Grenfell** **University Hospitals Plymouth**	**Mornington Crescent(s): A circuitous path to an EM-guided diagnosis**



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AGM 2026 | Manchester

1. Apologies and Previous Minutes
2. Website Update – Alison
3. Financial and Membership Report – Glenn or Adam (RMS)
4. EM Education and Training Update – Bart
5. Survey and Future of EM – Bart
6. Derrick Lovell Bursary – P Goggin
7. Seminar Series – P Goggin
8. Election of Committee
9. Future Meetings including Ultrapath 2028 – Bart and Patricia
10. AOB

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Association of Clinical Electron Microscopists
Website Update – Alison Lupton, Webmaster

Pleased to report that the website is running smoothly with RMS assisting with new memberships, renewals and news.

Presentations from previous ACEM conferences are available to members which is an opportunity to learn if unable to attend or indeed to refresh your current knowledge.

Also available are the new Cellular Community meeting recordings from October 2025 - May 2026. These are available to all on the front page of the website https://www.acem.org.uk

If anyone would like to contribute a newsletter article , presentation please email webmaster@acem.org.uk

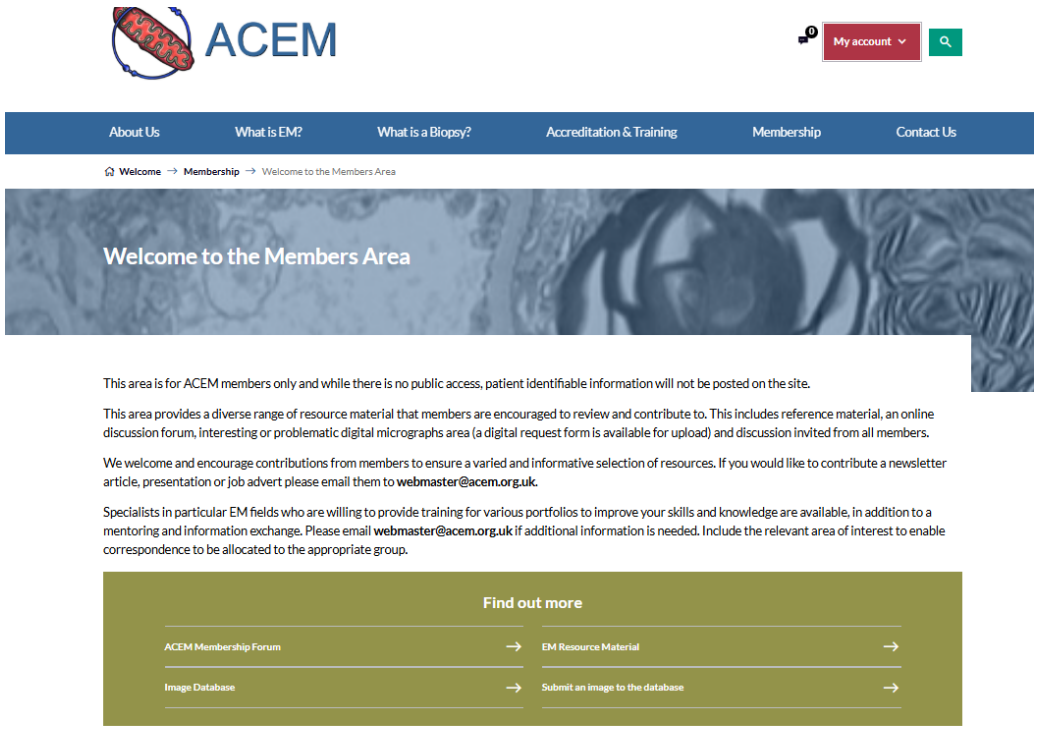
If anyone would like to become a member application is electronic via the membership area on the website at https://www.acem.org.uk, annual fee is £35, membership is renewed annually in January.

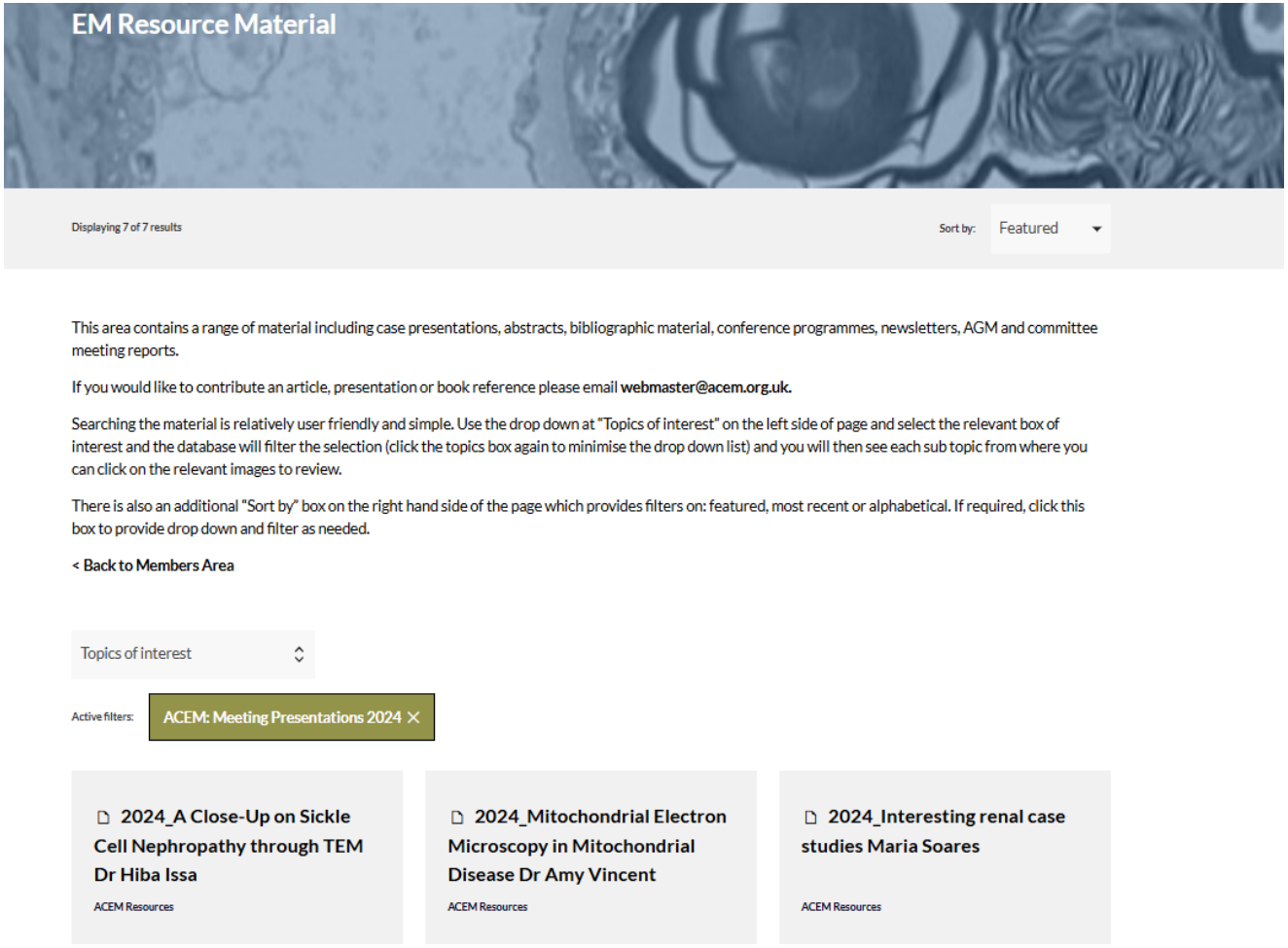
ACEM
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Website Update – Alison Lupton, Webmaster

If you would like to submit images of interesting or problematic cases to the image resource area, a request form is available for upload in the members area (please remove all patient identifiers prior to sending)

Members area also provides a diverse range of resource material that members are encouraged to review and contribute to including reference material and conference presentations

Discussion is invited from all members in the forum area

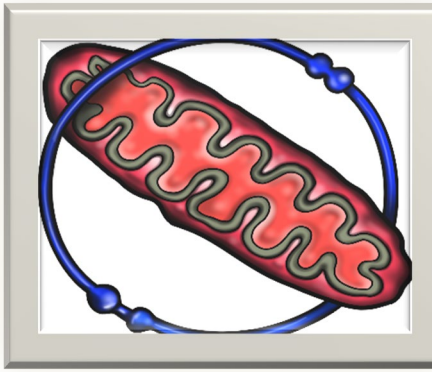




Members area also provides a diverse range of resource material that members are encouraged to review and contribute to including reference material and conference presentations

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Association of Clinical Electron Microscopists



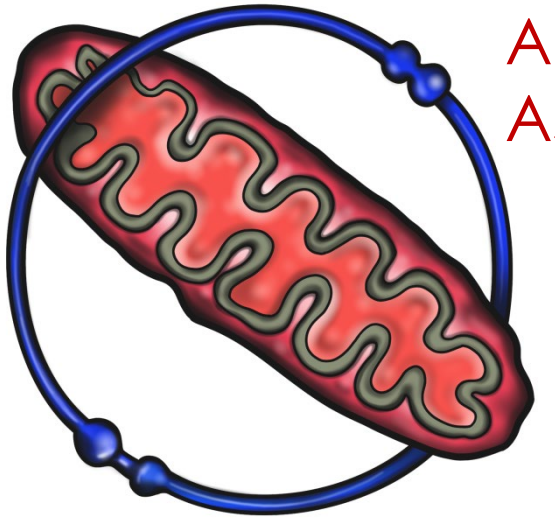
Founded 1998

Certificate of Membership

Name of Member

The ACEM Committee are pleased to welcome you to our membership from this day

Date of Membership July 26



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Association of Clinical Electron Microscopists

ACEM Fund		
Balance carried forward	£	3,060.20

Income		
INV-25232 - Acem subscription	£	35.00
DD Acem Membership June 2025	£	35.00
SP30691 INV-25230: ACEM Membership	£	35.00
SP30691 INV-25241: ACEM Membership	£	35.00
DD April 25 - Acem Membership	£	70.00
SP30352 - Acem membership 2025	£	70.00
DD Feb - ACEM subscriptions 2025	£	35.00
DD Jan - ACEM membership subscriptions	£	350.00
Total	£	665.00

Expenditure		
ACEM Expenditure - From Fund - Ghent Event	£	92.81
ACEM Expenditure - From Fund - Ghent Event	£	715.99
RMS Charge	£	95.00
Total	£	903.80

Available Funds	**£**	**2,821.40**

EM Education and Training Update

Bart Wagner

Many congratulations to:

- **Victoria Corden**, Leicester
- **Beverley Whitehouse**, Birmingham
- **Natalie Wilson**, Leicester

for passing the IBMS Diploma of Expert Practice (DEP)in Ultrastructural Pathology in 2025

With thanks to examiners:

- Chris Ward, IBMS Chief examiner
- Tracey de Haro, Leicester
- Patricia Goggin, Southampton
- Linda Moran, London
- Bart Wagner, Sheffield

Feedback from candidates and examiners:

Was it a lot of work?



But was it worth it?



Advanced Specialist Diploma (ASD) in Ultrastructural Pathology

<<In relation to your second question Bart, excluding the three candidates who might submit this year we have only issued a further five logbooks for this DEP qualification in the last three years (and there is no certainty that they will ever submit) and therefore I do not see at the moment sufficient demand for the development of an ASD qualification in this area given the other qualification work that is also going on at present.

This is certainly something that could be looked at in the future but there would need to be a clear business case for any new ASD.>>

CW: Chief examiner IBMS on 15th June 2026

So,

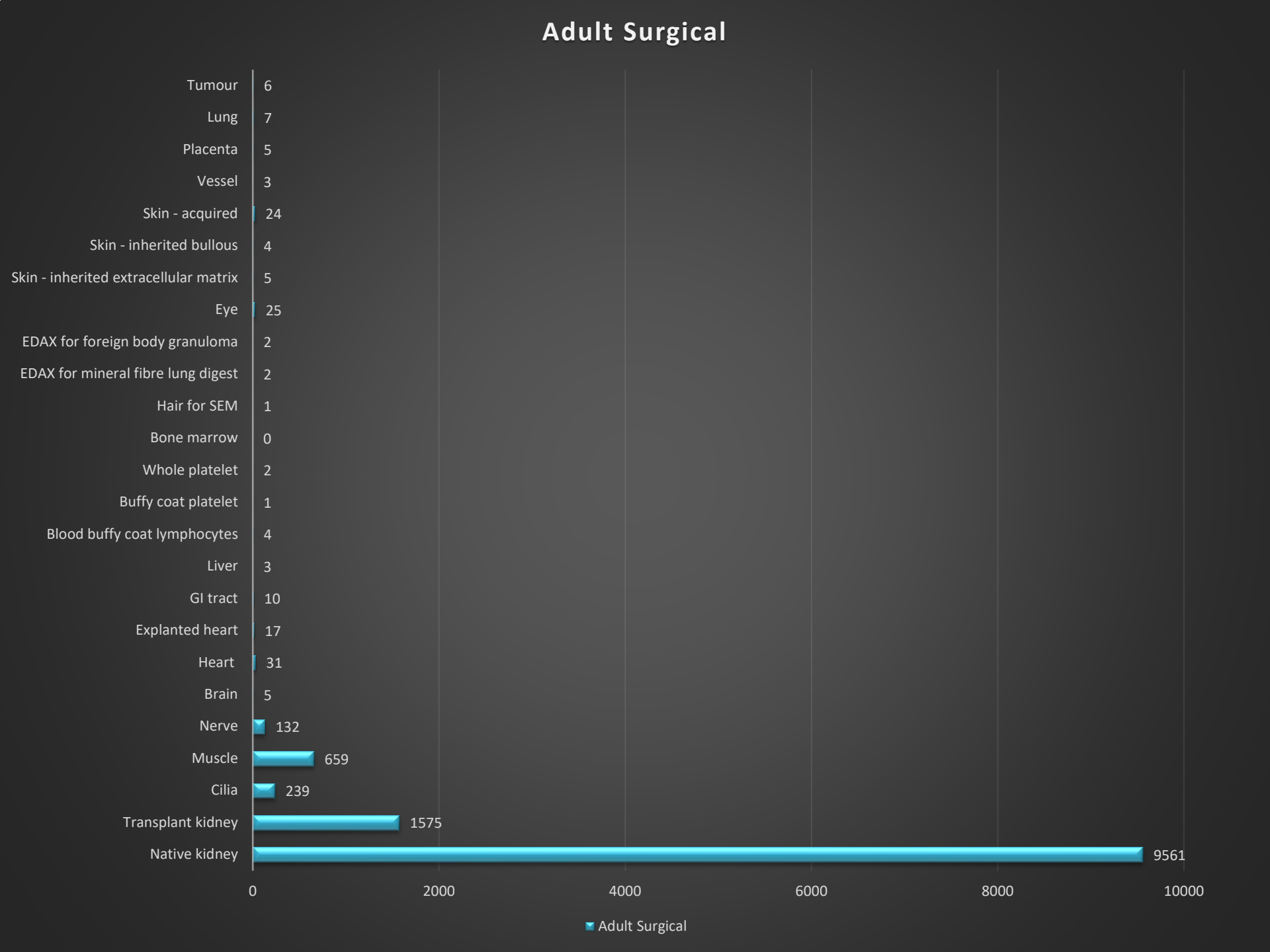
- Please consider enrolling for the DEP.
- Please finish the DEP you have started.
- If you feel you don't get enough support locally - reach out to me and the other examiners.

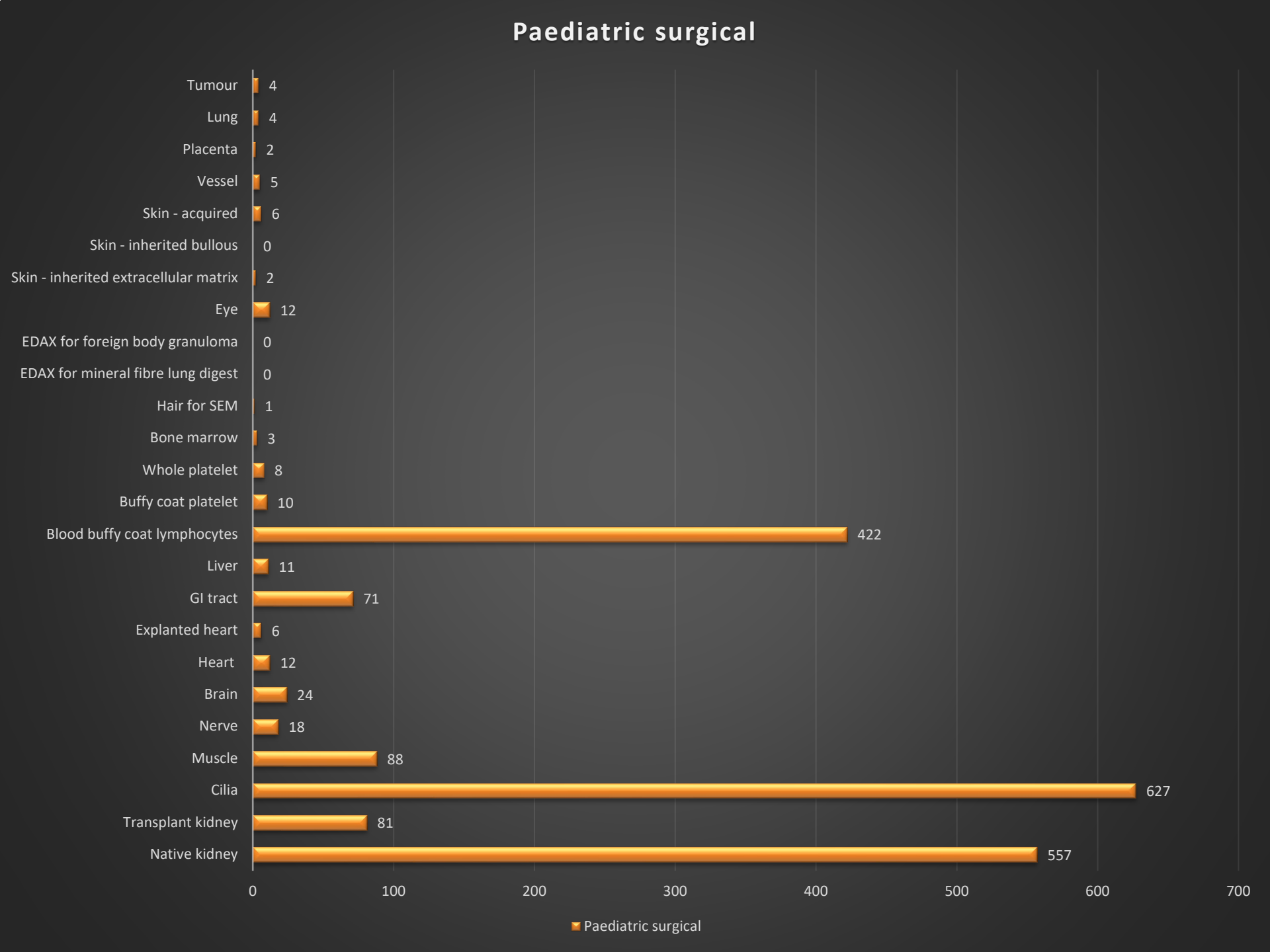
Survey and Future of EM

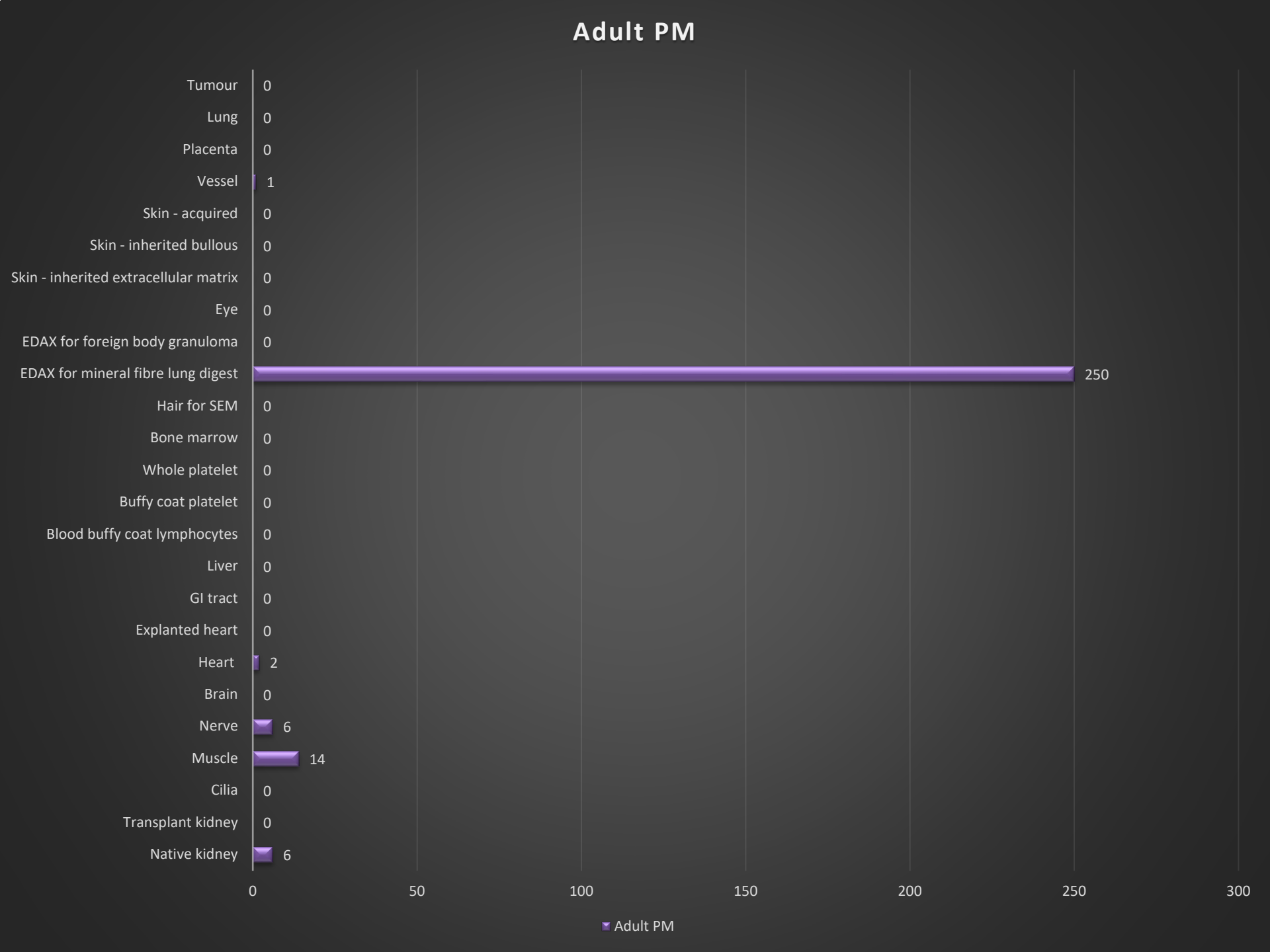
Bart Wagner

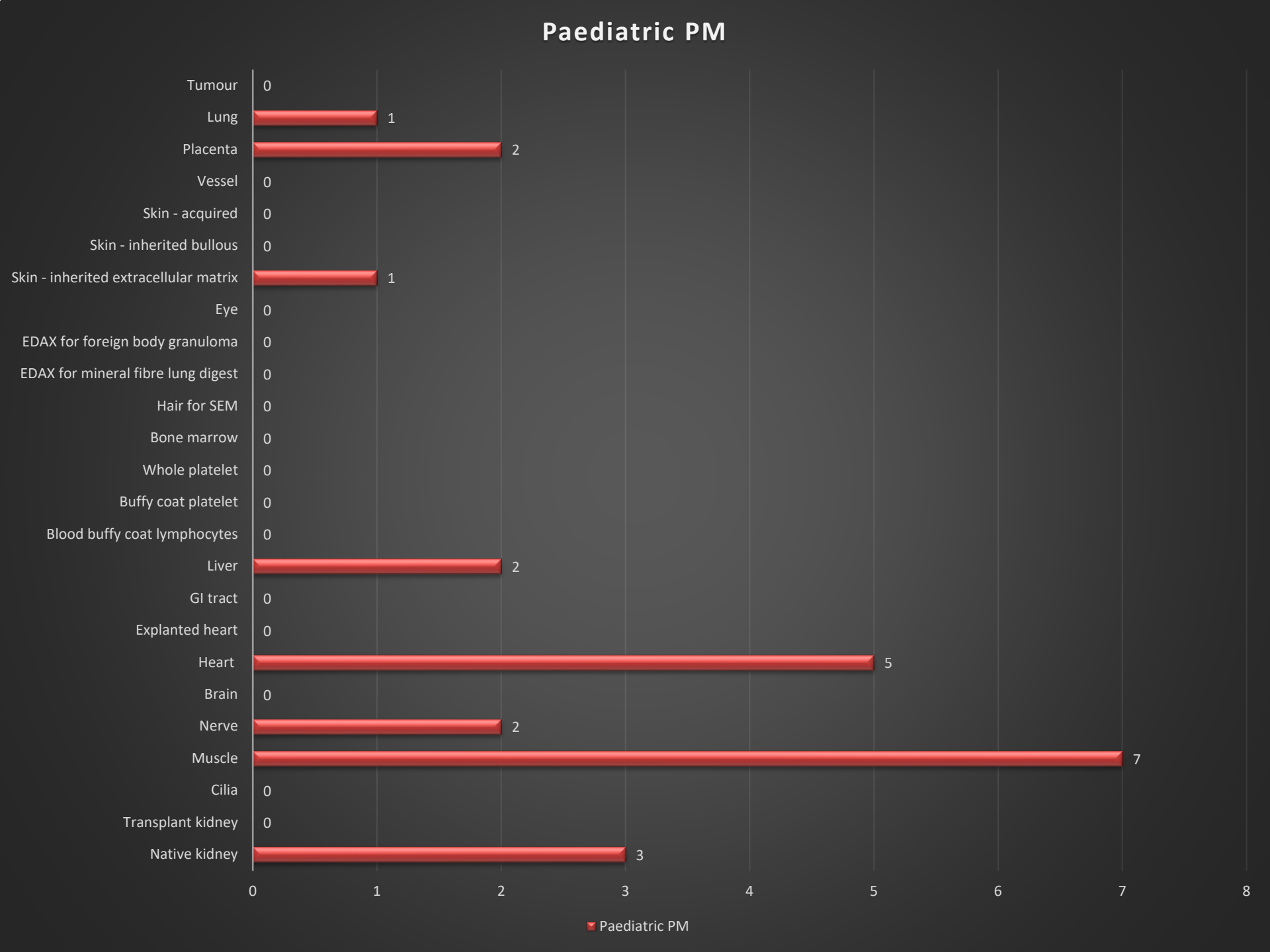
With thanks to Regan Doherty, Southampton, for next few slides

Full EM workload	UK and Ireland (21 centres)	75 million	20 % under 16	in 2025	
Tissue	Adult Surgical	Adult PM	Paediatric surgical	Paediatric PM	Most common diagnoses if not normal
Native kidney	9561	6	557	3	IgA disease, diabetes
Transplant kidney	1575	0	81	0	Chronic humoral rejection
Cilia	239	0	627	0	Primary ciliary dyskinesia
Muscle	659	14	88	7	Mitochondrial disease, inclusion body myositis
Nerve	132	6	18	2	Chronic inflammatory demyelinating polyneuropathy
Brain	5	0	24	0	Lysosomal storage disorder, mitochondrial
Heart	31	2	12	5	Amyloid, Fabry
Explanted heart	17	0	6	0	Fabry, Danon
GI tract	10	0	71	0	Microvillous inclusion disease, tufting
Liver	3	0	11	2	Glycogen storage disease, Neiman pick
Blood buffy coat lymphocytes	4	0	422	0	Batten disease of various types
Buffy coat platelet	1	0	10	0	Gray platelet, Paris Trousseau
Whole platelet	2	0	8	0	Hermansky Pudlak, storage pool disorder
Bone marrow	0	0	3	0	Anaemia
Hair for SEM	1	0	1	0	Menke
EDAX for mineral fibre lung digest	2	250	0	0	Asbestosis
EDAX for foreign body granuloma	2	0	0	0	Argyria
Eye	25	0	12	0	Corneal dystrophies
Skin - inherited extracellular matrix	5	0	2	1	Ehlers-Danlos syndrome of various types
Skin - inherited bullous	4	0	0	0	Bullous disorder
Skin - acquired	24	0	6	0	Amyloid
Vessel	3	1	5	0	Marfan, Loey Dietz
Placenta	5	0	2	2	Gangliosidosis type 1, Sialidosis
Lung	7	0	4	1	Surfactant deficiency of various types
Tumour	6	0	4	0	Oncocytoma
TOTALS	12323	279	1974	23	14,616
					Renal total 11,774 ie 80% of all cases for EM


Adult Surgical
Tumour 6
Lung 7
Placenta 5
Vessel 3
Skin - acquired 24
Skin - inherited bullous 4
Skin - inherited extracellular matrix 5
Eye 25
EDAX for foreign body granuloma 2
EDAX for mineral fibre lung digest 2
Hair for SEM 1
Bone marrow 0
Whole platelet 2
Buffy coat platelet 1
Blood buffy coat lymphocytes 4
Liver 3
GI tract 10
Explanted heart 17
Heart 31
Brain 5
Nerve 132
Muscle 659
Cilia 239
Transplant kidney 1575
Native kidney 9561
0
2000
4000
6000
8000
10000
Adult Surgical


Paediatric surgical
Tumour 4
Lung 4
Placenta 2
Vessel 5
Skin - acquired 6
Skin - inherited bullous 0
Skin - inherited extracellular matrix 2
Eye 12
EDAX for foreign body granuloma 0
EDAX for mineral fibre lung digest 0
Hair for SEM 1
Bone marrow 3
Whole platelet 8
Buffy coat platelet 10
Blood buffy coat lymphocytes 422
Liver 11
GI tract 71
Explanted heart 6
Heart 12
Brain 24
Nerve 18
Muscle 88
Cilia 627
Transplant kidney 81
Native kidney 557
0
100
200
300
400
500
600
700
Paediatric surgical


Adult PM
Tumour 0
Lung 0
Placenta 0
Vessel 1
Skin - acquired 0
Skin - inherited bullous 0
Skin - inherited extracellular matrix 0
Eye 0
EDAX for foreign body granuloma 0
EDAX for mineral fibre lung digest 250
Hair for SEM 0
Bone marrow 0
Whole platelet 0
Buffy coat platelet 0
Blood buffy coat lymphocytes 0
Liver 0
GI tract 0
Explanted heart 0
Heart 2
Brain 0
Nerve 6
Muscle 14
Cilia 0
Transplant kidney 0
Native kidney 6
0
50
100
150
200
250
300
Adult PM


Paediatric PM
Tumour 0
Lung 1
Placenta 2
Vessel 0
Skin - acquired 0
Skin - inherited bullous 0
Skin - inherited extracellular matrix 1
Eye 0
EDAX for foreign body granuloma 0
EDAX for mineral fibre lung digest 0
Hair for SEM 0
Bone marrow 0
Whole platelet 0
Buffy coat platelet 0
Blood buffy coat lymphocytes 0
Liver 2
GI tract 0
Explanted heart 0
Heart 5
Brain 0
Nerve 2
Muscle 7
Cilia 0
Transplant kidney 0
Native kidney 3
0 1 2 3 4 5 6 7 8
Paediatric PM

Purpose of survey

- To quantify rarely looked at tissues and diseases nationally

- To find out if there are any skills Single Points of Failure (SPOF)

This and next two slides are AI generated

Definition of SPOF in an accreditation context

- **Core Risk:** Essential technical knowledge or authority rests on one person.
- **UKAS View:** A critical vulnerability to organizational impartiality and stability.
- **The Impact:** Loss of that individual immediately halts accredited activities.

Compliance and Mitigation Strategies

Meeting ISO Standards (17025, 17020, 15189)

- **Succession Planning:** Documented, formal backup plans for every critical role.
- **Cross-Training:** Proactive training programs to build team redundancy.
- **Competency Mapping:** Equal, rigorous assessment for both primary and deputy staff.
- **Audit Checks:** Regular internal audits to flag emerging single-point dependencies.

Next Steps / Action Plan

Securing Our Scope of Accreditation

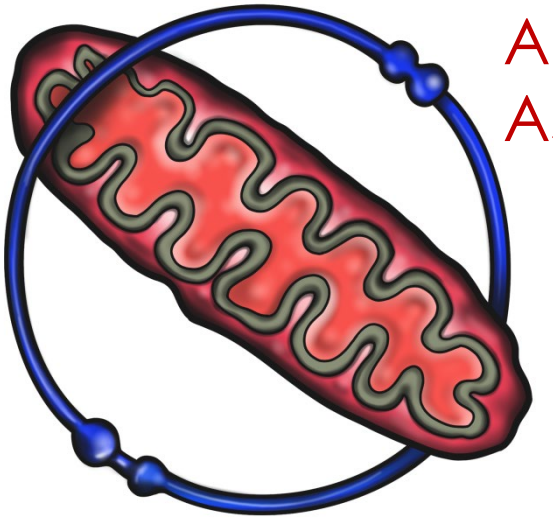
- **Map:** Identify all current technical and signatory SPOF's.
- **Train:** Initiate training for designated deputies immediately.
- **Document:** Update the competency matrix to prove backup capabilities to UKAS.
- **Review:** Include SPOF risk assessment in the next Management Review.

Rarely looked at tissues and diseases by EM

<<Unfortunately, you are quite right from an ISO15189 accreditation point of view, all you can do is tenaciously raise this as far up the managerial chain as possible as a serious service risk both locally - and nationally if possible.

Hopefully the key staff who are involved in deciding what services are required to be provided for each regional service understands the need to include an EM service for infrequently looked at samples as part of the service requirements.>>

Lawrence Doey, former histopathology laboratory manager and current UKAS assessor



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Seminar Series

Online meetings with talks from clinical electron microscopists and pathologists to present their challenges and start networking with the vEM community.

ACEM
Association of Clinical Electron Microscopists

Seminar Series

October 2025
Patricia Goggin, Cellular pathology from a research/ clinical EM perspective
Speaker: Candice Roufosse, Cellular pathology from a pathologist/ researcher perspective
January 2026
Bart Wagner, Diagnostic EM – the view from Sheffield and beyondMarch 2026
Ileana Micu - Using multi-photon and STED to study pathology
May 26
Murray Killingsworth and Tzipi Cohen-Hyams

COMING UP NEXT
6th July 26 - Jill Glausier – Connectomics in the post mortem human brain
September – Valentina Papa
Alice Liang – New York University Grossman School of Medicine

ANY VOLUNTEERS?

ACEM
Association of Clinical Electron Microscopists

Election of Committee



Patricia Goggin
Chair / Conference Secretary



Glenn Anderson
President / Treasurer



Beverley Whitehouse
Secretary



Bart Wagner
Training and Education



Anastasiya Kret
Pathologist Representative



Linda Moran
Deputy Treasurer



Alison Lupton
Information and Communications Officer

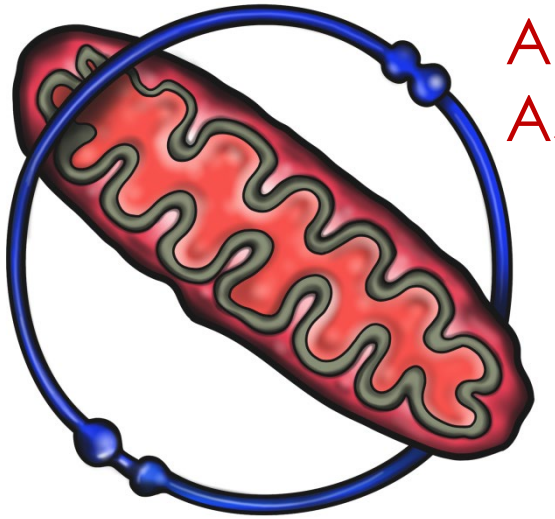


Lee Crompton
General Committee Member



Natalie Wilson
General Committee Member

?



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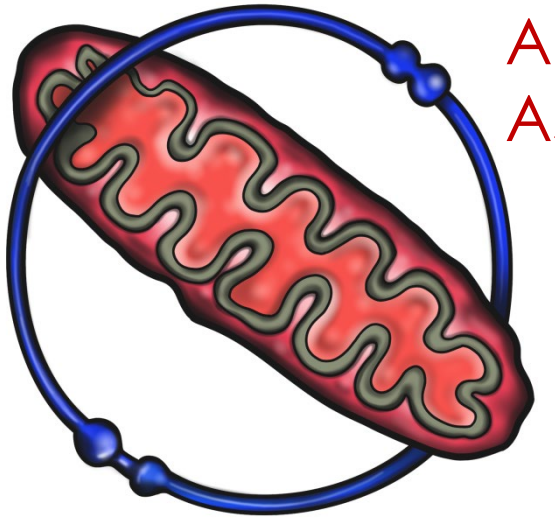
Future ACEM Meetings

- 2027
- 2028

ACEM
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- Derrick Lovell MBE
- 1945 – 2025
- Bursary administered by SEMT
- Clinical EM staff
- Travel, accommodation, registration
- £100-300



ACEM
Association of Clinical Electron Microscopists

Future Meetings

- IMC21, Liverpool 31 August – 4 September
- UKNEQAS - no meeting this year
- SEMT – Crick, London Dec 25
- MMC 2027 Manchester - Clinical and Diagnostic Microscopy Session
- Ultrapath XXII – London 2028

Society for Ultrastructural Pathology

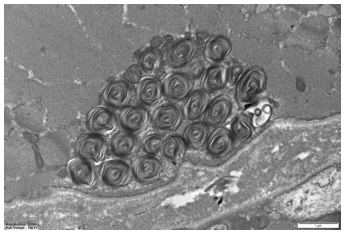
Sunday 11th to Friday 16th June

Association of Clinical Electron Microscopists

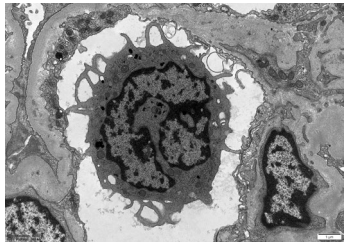
ULTRAPATH XXIII – LONDON 2028



In person and virtual attendance







This conference, being held in the UK for the first time will feature high quality talks from renowned speakers and opportunities to network with colleagues from around the world. We will have sessions on renal, neuro, cilia and more to be announced!

Meeting to be held in Goodenough House, Bloomsbury, central London.

Goodenough House, Bloomsbury, central London.







2028 Ultrapath XXIII London

Sunday 11th June
Evening Social event – Reception at Goodenough House

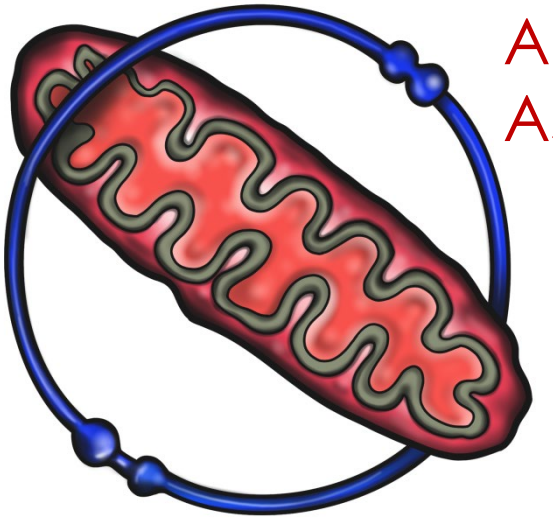
Monday 12th June
Registration
Normal tissue ultrastructure
? 2nd Edition of Rhodin's Histology: A Text and Atlas (1st edition 1973)

Tuesday 13th June
Topics TBD
Evening social Event – Boat trip and meal on Thames

Wednesday 14th June
Topics TBD

Thursday 15th June
Topics TBD
Evening social event - Gala dinner at Goodenough House

Friday 16th June
Advanced Electron Microscopy Technology



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