

ARTHROPLASTY FOR ARTHRITIS CHARITY

CHARITY NO.: 1051165

ANNUAL REPORT AND FINANCIAL STATEMENTS

FOR THE YEAR ENDED 30 NOVEMBER 2024

Arthroplasty for
Arthritis Charity



ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

**GENERAL INFORMATION
FOR THE YEAR ENDED 30 NOVEMBER 2024**

Name: Arthroplasty for Arthritis Charity

Registration Number: 1051165

Address: 57 Callicroft Road
Patchway
Bristol
BS34 5BU

Bankers: National Westminster
Queen's Road Branch
40 Queen's Road
Bristol
BS8 1BF

Solicitors: TLT
1 Redcliffe Street
Bristol
BS1 6TP

Trustees: Dr Daniela Smith
Dr Diana Pomeroy
Dr David Coates
Mr Jeremy Latham
Mr Roger Proctor
Prof Mehool Acharya
Mr Phil Collard
Mr Andrew Porteous

Director: Mr Evert Smith
Consultant Orthopaedic Surgeon

Research Committee: Dr Peter Lachman
Prof Ian Clarke

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

**OBJECTS AND POLICIES OF THE CHARITY
FOR THE YEAR ENDED 30 NOVEMBER 2024**

The Charity was established by Trust Deed in 1994 and the name and objects were widened in 2012:

- 1) To advance education into arthritis, joint replacements and trauma, with particular emphasis on hip replacement surgery.
- 2) To promote research into arthritis, joint replacement surgery and trauma, with a particular emphasis on hip replacements.
- 3) To disseminate the useful results of such research.

In order to further these objects the Charity will:

- 1) Undertake and manage research programmes.
- 2) Publish and disseminate the results of that research.
- 3) Undertake presentations on the results of the research.
- 4) Organise conferences, seminars and courses on relevant topical issues.

The Charity will operate in England and Wales but the beneficial area is national and international.

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DIRECTOR'S REPORT FOR THE YEAR ENDED 30 NOVEMBER 2024

We remain committed to funding projects researching and uncovering knowledge of musculoskeletal and joint pathologies, joint arthroplasty, ways of ensuring success, and possible solutions for problems and failures of joint replacements.

The project entitled ***“3D Patient Specific Instruments (PSI) for Implant Positioning in Total Hip Replacement”*** lead by Associate Professor Anna di Laura et al at the Royal National Orthopaedic Hospital (RNOH) began shortly after the funding was approved.

Several updates were submitted to the charity, and the researchers reported that the project was on target, and they had published papers, engaged in international presentations and received some media coverage.

The publication in the Journal of Orthopaedic Research (<https://doi.org/10.1002/jor.25971>) was ***“Understanding the variability of the proximal femoral canal: A computational modelling study.”*** The authors were A. Ramesh, J. Henckel, A. Hart and A. Di Laura. The aim of the study was to better understand the shape variations that characterise the intramedullary femoral canal which dictates the fit of the prosthetic stem.

The presentations include the following:

1. ***“Understanding the variability of the femoral canal for THA: a computational modelling study”***. The European Federation of National Associations of Orthopaedics and Traumatology (EFORT), 22-24 May 2024, Hamburg, Germany.
2. ***“Statistical Shape Modelling Shows the High Variability of the Proximal Femoral Canal: Future Guide to Achieve Target Stem Anteversion”***. International Society for Technology in Arthroplasty (ISTA), 28-31 August 2024, Nashville, USA.
3. ***“The clinical importance of planning stem anteversion: the use of PSI for femoral osteotomy and version”***. Italian Society of Orthopaedics and Trauma (SIOT), October 2024, Rome.
4. ***“Understanding the variability of the femoral canal for THA: a computational modelling study”***. DKOU, October 2024, Berlin.

The media coverage was on Channel 5 where Prof A. Hart participated in Michael Mosley's ***“Wonders of the Human Body”***.

<https://www.channel5.com/show/michael-mosley-wonders-of-the-human-body/season-1/episode-2>

<https://www.complexhip surgery.com/stories/wonders-of-the-human-body>

The team were also involved in a two-day exhibition at the ***UCL Festival of Engineering*** celebrating the 150-year anniversary of the introduction of the first engineering teaching laboratory in the UK. They ran the exhibit ***“What will hip surgery look like in 2050?”*** demonstrating some of state-of-the-art surgical planning and 3D printing solutions to the audience.

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DIRECTOR'S REPORT FOR THE YEAR ENDED 30 NOVEMBER 2024

The RNOH project **Couch to 5K** on 3D assessment of muscle health is on track. Data analysis, dissemination of information and publication is ongoing.

1. In "Runner's World", journalist Sophie Raworth explains her experience of Knee MRI scanning with the research team and reports Professor Hart's main research focus.
2. In The Times Peta Bee reported on an interview with Professor Alister Hart "How cycling can add years to your life." A new study shows that regular pedalling by over-50s helps the body to stay physically healthy for longer.
3. In the Doctors Updates Conference there was a talk on Exercise Science by Speakers: Alister Hart, Sophie Raworth, Mike Mosley, Sanjay Sharma.
4. In the 40th Marathon Medicine Conference April 2024 there was an invited talk on the effects of sport and exercise on joints and muscles of sedentary and active individuals.
5. In a press release - The Conversation – an article explains the benefits of running after middle age. "One of the best ways to ease into running in mid-life is the NHS Couch to 5K running programme. It's designed for everyone. Running is a great way to keep bones and muscles healthy, helping prevent damage and even osteoarthritis. Just make sure to take it slow at first".

We received a letter of thanks from the **Director of the ExplantLab, Dr David Langton**, for our ongoing ongoing support. He also provided an update on the groundbreaking research that they are engaged in. Multiple centres across the country are involved in recruiting patients, with the ultimate aim of acquiring 2000+ patients.

The overall research project is focused on the study of immune responses to various types of implants, with the ultimate aim to develop a test which will allow patients to receive medical implants which they are best suited to, based on their DNA.

There have been some exciting discoveries in terms of relationships between blood titanium concentrations and patient reported outcomes and the risk of revision. These findings were presented in October 2024 at the **Personalized Arthroplasty Society Meeting** in Chicago. The paper on which this presentation was based is will be submitted to the American Knee Society for consideration of a research award at next year's AAOS meeting.

This initial paper is just the first of what will likely amount to dozens of papers generated from this project. The ExplantLab researchers we will be examining the relationship between genetics and the risk of infection, polyethylene induced osteolysis, and the effect of robotic surgery on wear scar position.

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DIRECTOR'S REPORT FOR THE YEAR ENDED 30 NOVEMBER 2024

ExplantLab have also successfully applied for the NHS tender for the provision of explant testing to the NHS Implant Analysis Service. This is a new national service which was publicly launched at a conference in Newcastle, in November 2024.

On another matter, the organiser of a large national research project, Joanna Shim, invited the Director and 3 Trustees from the Charity to be members of a national Steering Committee to work with the James Lind Alliance Priority Setting Partnership (PSP). The Arthroplasty for Arthritis Charity is delighted to support the James Lind Alliance Steering Group in a new PSP.

Established in 2004, the James Lind Alliance is a non-profit organization that brings together patients, carers, and clinicians to identify and prioritize studies in health research. This collaborative approach ensures that future research aligns with the real needs of those directly affected. The PSP is chaired by Mr. Jonathan Gower, the James Lind Alliance Senior Adviser, who leads the Steering Group.

The project is supported by the Robert Gordon University in Aberdeen where Joanna Shim is the Chancellor's chief researcher. Other health groups including the NHS are also actively participating in the project. The government are set to provide huge financial support for the Prehabilitation project.

The project was to evaluate the need for ***Prehabilitation in Total Hip and Knee Arthroplasty***. This initiative aims to address a historically poorly supported area of research - the preoperative phase of patient care

Prehabilitation (also called 'pre-operative rehabilitation' or 'prehab') is a programme designed to help prepare people for surgery as best as possible. It may include exercise, nutritional guidance, mental health and wellbeing support, and lifestyle changes depending on individual needs. The goal is to improve overall health and wellbeing during the waiting period for surgery, which can range from months to several years. This preparation may lead to better outcomes after surgery.

The purpose of this project, ***Prehabilitation: Priority Setting Partnership*** is also to ensure that patients are fit enough to be redirected into the private sector waiting lists. Where patients are passed fit by Prehabilitation they could then not be refused an operation in the private sector or in the operation hubs set up by the government.

The charity's involvement in this project not only helps to enhance the profile of the Charity, but also identifies the Charity's commitment to research and health care in the United Kingdom.

We appointed a new Patron. Via a Trustee's link to the Earl of Inchcape, she wrote to the Duke of Northumberland who accepted the role of Patron but emphasised that his role would be symbolic rather than an active one. We formally acknowledged and welcomed the Duke of Northumberland to the Charity.

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**DIRECTOR'S REPORT
FOR THE YEAR ENDED 30 NOVEMBER 2024**

Regarding holding future fundraising events, we again approached the Earl of Inchcape, who is a member The Grocer's Livery Company, London. The Grocer's Hall was visited and viewed in November 2024, to gain insight into its suitability for a fundraising event. Further discussion and evaluation by the Trustees will be required in the future.

Fund raising continues to be difficult. We have regularly written to various organisations. Our main sponsors, to whom we remain indebted, are The Tompkins Foundation, the Wyseliot Rose Charitable Trust, The Inchcape Foundation and the Joseph Strong Frazer Trust.

We continue to be supported by Webree.com and Proctor + Stevenson Ltd and are grateful for their ongoing help.

We are investigating the possibility of investing some of our assets. The accounts remain in good order, with adequate funds to continue actively supporting the various research projects on the horizon.

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**PUBLICATIONS, PRESENTATIONS AND CONTRIBUTIONS TO BOOKS
FOR THE YEAR ENDED 30 NOVEMBER 2024**

Publications 2019-2024

AM Ebied, A Ebied, S Marei, E Smith

Enhancing biology and providing structural support for acetabular reconstruction in single-stage revision for infection

Journal of Orthopaedics and Traumatology - Open Access: Ebied et al. J Orthop Traumatol (2019) 20:23

<https://doi.org/10.1186/s10195-019-0530-6>

Koutalos AK, Toms AP, Cahir JG, Smith EJ

Correlation of MARS MRI findings with cup position, metal ion levels and function in metal on metal total hip arthroplasty

Hip Int 2019; HIPINT-D-17-00232R1 - August 2019

Koutalos AK, Toms AP, Cahir JG, Smith EJ.

Correlation of MARS MRI findings with cup position, metal ion levels and function in metal on metal total hip arthroplasty

Hip Int 2019; HIPINT-D-17-00232R1 – August 2019

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Enhancing biology and providing structural support for acetabular reconstruction in single-stage revision for infection .

Journal of Orthopaedics and Traumatology - Open Access: Ebied et al. J Orthop Traumatol 2019; 20:23

<https://doi.org/10.1186/s10195-019-0530-6>

Evert J Smith

Year of the Mask COVID-19 Challenges for Orthopaedic Surgery .

Reconstructive Review, Journal of Joint Implant Surgery and Research Foundation (JISRF) 2020;

<https://doi.org/10.15438/rr.10.1.241>

Clarke IC, Lezennec JY, Smith EJ, Donaldson TK. Prosthetic Impingement in Total Hip Arthroplasty—The Trigger for Adverse Wear. Open Journal of Orthopedics 2020; 10: 321-358.

<https://www.scirp.org/journal/ojo>

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**PUBLICATIONS, PRESENTATIONS AND CONTRIBUTIONS TO BOOKS
FOR THE YEAR ENDED 30 NOVEMBER 2024**

Presentations 2019 to 2024

Smith EJ

Infections in Joint Replacements

10th International GOSICON

Goa - November 2022

Smith EJ

Work of the Orthopaedic Data Evaluation Panel

People's University Bhopal, India: GIRFT in Total Hip Arthroplasty

Webinar - June 2020

Smith EJ

Has Orthopaedic Perspective Changed in the UK due to Novel COVID 19?

Geriatric Orthopaedic Association of India - Doctors Teatime Educational series

Webinar - April 2020

Clarke IC, Donaldson TK, John A, Koutalos AA, Lazenec JY, Smith EJ

One-hour address 'Trunnionosis vs Impingement'

Japanese Arthroplasty Conference

Tokyo - February 2019

EJ Smith

How successful are cemented hip replacements / Survival of cementless THR? - Joint Registry data

EEMEA Cementless Hip Symposium

Amsterdam - June 2019

EJ Smith

Temporal change in the use of cementless femoral stems

EEMEA Cementless Hip Symposium

Amsterdam - June 2019

EJ Smith

DDA, DSA or SPAIRE - What are the considerations?

EEMEA Cementless Hip Symposium

Amsterdam - June 2019

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**PUBLICATIONS, PRESENTATIONS AND CONTRIBUTIONS TO BOOKS
FOR THE YEAR ENDED 30 NOVEMBER 2024**

Presentations 2019 to 2024 (continued)

Smith EJ

DDA, DSA or SPAIRE - What are the considerations?

EEMEA Cementless Hip Symposium - Amsterdam Skill Centre
Amsterdam - 2019

Smith EJ

Stubbies - The future

EEMEA Cementless Hip Symposium - Amsterdam Skill Centre
Amsterdam - 2019

Smith EJ

How successful are cemented hip replacements? / Survival of cementless THR - Joint Registry data

EEMEA Cementless Hip Symposium - Amsterdam Skill Centre
Amsterdam - 2019

Smith EJ

Temporal change in the use of cementless femoral stems

EEMEA Cementless Hip Symposium - Amsterdam Skill Centre
Amsterdam - 2019

Smith EJ

Has Orthopaedic Perspective Changed in the UK due to Novel COVID 19?

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Webinar - June 2020

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**STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 30 NOVEMBER 2024**

	General Funds	Restricted Funds	Total 2024	Total 2023	Note
INCOMING RESOURCES					
Donations/Grants	38 072	-	38 072	28 580	
Gifts in Kind	20 500	-	20 500	20 500	3
Interest	305	-	305	156	4
	58 877	-	58 877	49 236	
RESOURCES EXPENDED					
Research costs	20 500	-	20 500	20 500	3
The Hip Research Project	51 672	-	51 672	20 000	
Marketing and PR	716	-	716	-	
Administration costs	1 347	-	1 347	1 038	5
	74 235	-	74 235	41 538	
NET SURPLUS/(LOSS) FOR YEAR	(15 358)	-	(15 358)	7 698	
RETAINED SURPLUS at beginning of year	270 894	-	270 894	263 196	
RETAINED SURPLUS at end of year	255 536	-	255 536	270 894	

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

**BALANCE SHEET
AS AT 30 NOVEMBER 2024**

	General Funds	Restricted Funds	Total 2024	Total 2023	Note
CURRENT ASSETS					
Short-term investments	19 918	-	19 918	19 612	6
Bank	235 918	-	235 918	251 582	
	255 836	-	255 836	271 194	
TOTAL ASSETS	255 836	-	255 836	271 194	
CURRENT LIABILITIES					
Accounts payable & accruals	300	-	300	300	
TOTAL LIABILITIES	300	-	300	300	
ASSETS LESS LIABILITIES	255 536	-	255 536	270 894	
RESERVES					
Retained surplus	255 536	-	255 536	270 894	
TOTAL RESERVES	255 536	-	255 536	270 894	

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

**NOTES TO FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 NOVEMBER 2024**

1. Accounting Policies

(a) Basis of preparation:

The financial statements have been prepared under the historic cost convention in accordance with the Statement of Recommended Practice: Accounting and Reporting by Charities (SORP 2005) and the Charities Act 2011.

(b) Incoming resources and resources expended:

All incoming resources are recognised once the charity has entitlement to them, it is certain that the resources will be received and the monetary value can be measured with sufficient reliability.

Liabilities are recognised as resources expended as soon as there is a legal or constructive obligation committing the charity to the expenditure. All expenditure is accounted for on an accruals basis.

Grants payable and research costs are payments made to third parties in the furtherance of the objects of the charity. Provisions are made when the intention to make a payment has been communicated to the recipient but there is uncertainty about either the timing or the amount.

(c) Fixed assets and depreciation:

All assets costing more than £500 are capitalised and valued at historic cost. Assets are written off on a straight line basis over their estimated useful life.

(d) Fund accounting

Unrestricted funds are expendable at the discretion of the trustees in furtherance of the objects of the charity.

Restricted funds are donations earmarked by the donor for a specific purpose.

2. Trustees remuneration

The trustees do not receive remuneration for services rendered to the charity.

3. Gifts in kind

Gifts in kind are made up of the following:

Director's time	20 500	20 500
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The related expense is disclosed as follows:

Research costs (director's time)	20 500	20 500
Other	-	-
	<u>20 500</u>	<u>20 500</u>

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

**NOTES TO FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 NOVEMBER 2024**

2024 2023

4. Interest

Interest on short-term investments (note 8)

	General	Restricted	Total	
Scottish Widows Bank	305	-	305	156
	<u>305</u>	<u>-</u>	<u>305</u>	<u>156</u>

5. Administration costs

Computer expenses		221	261
Licences & subscriptions		152	152
Postage, office supplies, printing & stationery		-	109
Travel & subsistence		674	216
Accounting fees		300	300
		<u>1 347</u>	<u>1 038</u>

2024 2023

6. Short-term investments

	General	Restricted	Total	
Scottish Widows Bank	19 918	-	19 918	19 612
	<u>19 918</u>	<u>-</u>	<u>19 918</u>	<u>19 612</u>

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

REPORT

Independent examiner's report to the trustees of the Arthroplasty for Arthritis Charity

I report on the accounts of the Arthroplasty for Arthritis Charity for the year ended 30 November 2024 which are set out on pages 10 - 13

Respective responsibilities of trustees and examiner

The charity's trustees are responsible for the preparation of the accounts. The charity's trustees consider that an audit is not required for this year under section 144(2) of the Charities Act 2011 (the 2011 Act) and that an independent examination is needed.

It is my responsibility to:

- examine the accounts under section 145 of the 2011 Act
- follow the procedures laid down in the general Directions given by the Charity Commission under section 145(5)(b) of the 2011 Act; and
- to state whether particular matters have come to my attention.

Basis of independent examiner's report

My examination was carried out in accordance with the general Directions given by the Charity Commission. An examination includes a review of the accounting records kept by the charity and a comparison of the accounts presented with those records. It also includes consideration of any unusual items or disclosures in the accounts, and seeking explanations from you as trustees concerning any such matters. The procedures undertaken do not provide all the evidence that would be required in an audit and consequently no opinion is given as to whether the accounts present a "true and fair view" and the report is limited to those matters set out in the statement below.

Independent examiner's statement

In connection with my examination, no matter has come to my attention which gives me reasonable cause to believe that in any material respect the requirements:

- to keep accounting records in accordance with section 130 of the 2011 Act; and
 - to prepare accounts which accord with the accounting records and comply with the accounting requirements of the 2011 Act
- have not been met.



Name: EA Redelinghuys CA(SA)
Professional body: South African Institute of Chartered Accountants (Membership no.: 291175)
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South Africa
Date: 25 July 2025



The South African Institute of Chartered Accountants



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