

ARTHROPLASTY FOR ARTHRITIS CHARITY

CHARITY NO.: 1051165

ANNUAL REPORT AND FINANCIAL STATEMEN

FOR THE YEAR ENDED 30 NOVEMBER 202:

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ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:10

**ANNUAL REPORT AND FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 NOVEMBER 2021**

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ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:10

**GENERAL INFORMATION
FOR THE YEAR ENDED 30 NOVEMBER 2021**

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
Director:	Mr Evert Smith Consultant Orthopaedic Surgeon
Research Committee:	Dr Peter Lachman Prof Ian Clarke

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ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

**OBJECTS AND POLICIES OF THE CHARITY
FOR THE YEAR ENDED 30 NOVEMBER 2021**

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.

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

DIRECTOR'S REPORT FOR THE YEAR ENDED 30 NOVEMBER 2021

The COVID pandemic continued throughout 2021, and hampered many attempts to function 'normally', whether this was in the home, work environment, or educational facilities. The rollout of the vaccination programme, taken up by much of the population, as well as the genetic shift and arrival of new variants slowly modified the earlier disastrous landscape.

Lady Elizabeth Anson who graciously hosted our first major fundraising event following the re-launch of the charity in 2013, sadly passed away in November 2020. Sara Jayne Stanes OBE, chief executive of the Royal Academy of Culinary Arts (RACA) for the last 15 years, died in July 2021. Sara Jayne was a colleague and friend, and was influential in making our joint fundraising venture highly successful - 'Banquet of Food Through the Ages' celebrating the 800th anniversary of the role of the Lord Mayor of Bristol, which was held at The Harbour Hotel, Bristol in November 2017, and the Champagne Reception at The Ritz, in February 2020.

With the charity's remit to support musculoskeletal research, which includes the evaluation of bearing surfaces, the development of new technologies and research concerning design improvements in arthroplasty surgery, we committed to funding two projects.

Dr David Langton, Director of ExplantLab, is spearheading the project 'Developing a novel algorithm to predict the risk of metal-on-polyethylene joint replacement failure.'

ExplantLab continue to research the manufacturing, design and surgical variables associated with success or failure of joint replacements. They have now included research into the complexities of the immune response and the influence of immunogenetics on a patient's propensity to develop problems following implantation with metal or ceramic-on-polyethylene (MoP/CoP) joint replacement prostheses. Debris shed from the components of a joint replacement provokes a tissue response called osteolysis where the bone is damaged and resorbed and as a result, the implanted components loosen. Over 160,000 NHS patients undergo hip and knee arthroplasty surgery each year and a number of these surgeries will fail, requiring costly and complex "revision surgery".

Professor Alister Hart, Dr Anna Di Laura, and Dr Johann Henckel of the Royal National Orthopaedic Hospital NHS Trust and University College London, are involved in the study 'Improving People's Lifestyle: from Couch to...'. The study will investigate the effects of exercise on the musculoskeletal system, with or without joint replacements and will help inactive people understand the evidence-based medical benefits and risks of taking exercise.

The study will investigate the effects of exercise on the musculoskeletal system, with or without joint replacements and will help inactive people understand the evidence-based medical benefits and risks of taking exercise.

COVID-19 has had a major impact on physical activity behaviours globally and many people around the world have been forced to isolate and reduce social activities. The NHS has urged people to keep going if they started exercising during the lockdown and hailed running as good for physical and mental health. Inactive people are at increased risk of developing a painful musculoskeletal (MSK) condition. Physical inactivity is responsible for one in six UK deaths (equal to smoking) and

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

DIRECTOR'S REPORT FOR THE YEAR ENDED 30 NOVEMBER 2021

is estimated to cost the UK £7.4 billion annually (including £0.9 billion to the NHS alone), It is also the 4th leading risk factor for global mortality, accounting for 6% of deaths globally. Many individuals are concerned that exercise may cause or exacerbate painful musculoskeletal problems but little is known about the response of joints and muscles after exercise programs.

The research is challenging and seeks to better understand the benefits and risks from exercising on the walking (hip abductor) muscles and hip joints of physically inactive individuals who undergo exercise. MRI scans are to be utilised to evaluate the status of the hip joint and pelvic muscles.

We also received applications for several other projects and a decision to fund a 3rd project will be made in the future. The most significant of these is a study from Edinburgh University – ‘**Robotic Assisted Bicompartamental Knee Arthroplasty Vs manual Total knee Arthroplasty** trial for two compartment osteoarthritis of the knee (RoBi-KAT)’. This study aims to analyse robotic versus manual total knee arthroplasty. Patient satisfaction remains an issue after a total knee arthroplasty in some patients. Robotic total knee arthroplasty has already demonstrated improved component positioning and a reduction of alignment outliers in a number of publications.

A study undertaken by the University of Bath, led by Professor Richie Gill, and funded by the charity, has finally reaped rewards, after initially being stalled during the lull due to the pandemic. The manuscript "Machine learning outperforms clinical experts in classification of hip fractures" was accepted for publication in Scientific Reports (impact factor 4.38 and the 6th most cited journal worldwide).

Fund raising activities have yet to return to normal, but over the course of the year we continued to approach Charitable Trusts and Foundations. As expected there was a minimal response from new sources, but we have not been forgotten or dismissed by several regular loyal sponsors namely Tompkins Foundation, the Wyseliot Rose Charitable Trust, The Inchcape Foundation and the Joseph Strong Frazer Trust.

We are pleased to report that our accounts are in good order and we continue to be guided by enthusiastic, conscientious and supportive Trustees.

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

PUBLICATIONS, PRESENTATIONS AND CONTRIBUTIONS TO BOOKS FOR THE YEAR ENDED 30 NOVEMBER 2021

Publications 2017-2021

Scholes SC, Hunt BJ, Richardson VM, Langton DJ, Smith E, Joyce TJ
Explant analysis of the Biomet Magnum/ReCap metal-on-metal hip joint
Bone Joint Res 2017;6:113-122

Ian C. Clarke, Thomas Halim, Evert J. Smith, Thomas K. Donaldson
Acetabular Cups in 60 mm Metal-on-Metal Bearings Subjected to Dynamic Edge-Loading with 70° Peak-Inclination in 10-Million Cycle Simulator Study
Lubricants 2018, 6, 1; doi:10.3390/lubricants6010001

Donaldson, TK., Smith EJ., Koutalos A., John, A., Lazennec JY. and Clarke, IC
Adverse wear in MOM hip-arthroplasty related to the production of metal fragments at impingement sites
OJO Vol. 8, No. 10, October 2018 - <http://www.scirp.org/journal/ojo>

Elsissy JG, Clarke IC, John A, Smith EJ Donaldson TK
The significance of adverse 3rd-body wear damage in the failure of metal-on-metal bearings used in resurfacing and total-hip arthroplasty
ACTA Scientific Orthopaedics, Vol 1, Issue 1, Oct 2018

Ebied AM, Ebied A, Marei S, Smith E
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

Ebied AM, Ebied A, Marei S, Smith E.
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>

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PUBLICATIONS, PRESENTATIONS AND CONTRIBUTIONS TO BOOKS FOR THE YEAR ENDED 30 NOVEMBER 2021

Publications 2017-2021 (continued)

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>

Abstract Publications 2017-2021

Ian C. Clarke, Evert J. Smith, Thomas K. Donaldson

Adverse MOM wear mechanisms are triggered by release of large metal particles during MOM impingement e

European Hip Society 13th Congress

Hip International 2018 No. 271 Oral Presentation

Session ID: O23 Metal ion release & tribology

The Hague - 21.09.2018

Contributions to books

Clarke IC, Lazennec J, Smith EJ, Sugano N, McEntire, B, Pezzotti, G

Ceramic Chapter in: Ceramic-on-Ceramic Bearings: Clinical Wear Modes Compared to Simulator Wear Tests.

In Sonntag R, Kretzer JP, ed. Materials for Joint Arthroplasty - Biotribology of Potential Bearings: Imperial College Press; 2015

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**PUBLICATIONS, PRESENTATIONS AND CONTRIBUTIONS TO BOOKS
FOR THE YEAR ENDED 30 NOVEMBER 2021**

Presentations 2018 to 2021

Smith EJ

Hips

Physio, Osteopath and Chiropractor Education Day

Bristol - March 2018

Smith EJ

Extensive Exposure of the Hip - Tips and Tricks

Mayo Arthroplasty Conference

Westport - April 2018

Smith EJ

Taking a walk; new joints for old in the lower limb

Clifton Club

Bristol - April 2018

Smith EJ

Cemented or uncemented Total Hip Arthroplasty - How to decide?

1st International Hip & Knee Arthroplasty Symposium

Larissa - April 2018

Smith EJ

A fatuous argument - Cemented or Cementless THA

Thessaloniki University - Visiting Academic Lecture Programme

Larissa - April 2018

Smith EJ

From the witness box - Metal on Metal

Thessaloniki University - Visiting Academic Lecture Programme

Larissa - April 2018

Smith EJ

Exposures of the hip - Tips and Tricks

Thessaloniki University - Visiting Academic Lecture Programme

Larissa - April 2018

Smith EJ

When to Revise Metal on Metal Bearings?

18th EFORT Congress

Vienna - June 2018

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**PUBLICATIONS, PRESENTATIONS AND CONTRIBUTIONS TO BOOKS
FOR THE YEAR ENDED 30 NOVEMBER 2021**

Presentations 2018 to 2021 (continued)

Smith EJ

Exceed ABT

6th International GOSICON

Delhi - September 2018

Smith EJ

Approaches to the Hip - What's New?

6th International GOSICON

Delhi - September 2018

Smith EJ

New Trends in Acetabular Revision

6th International GOSICON

Delhi - September 2018

Smith EJ

Approaches to the Hip - What's New?

Karnataka Orthopaedic Association

Bengaluru - September 2018

Smith EJ

Early developments and results of RA

13th EHS Congress

The Hague - September 2018

Ian C. Clarke, Evert J. Smith, Thomas K. Donaldson

Adverse MOM wear mechanisms are triggered by release of large metal particles during MOM impingement e

European Hip Society 13th Congress

No. 271 Oral Presentation

Session ID: O23 Metal ion release & tribology

The Hague - 21.09.2018

Smith EJ

Hip Arthroplasty - A brief encounter

GP Lectures - Litfield House Medical Centre

Bristol - October 2018

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

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**PUBLICATIONS, PRESENTATIONS AND CONTRIBUTIONS TO BOOKS
FOR THE YEAR ENDED 30 NOVEMBER 2021**

One-hour address 'Trunnionosis vs Impingement'

Japanese Arthroplasty Conference

Tokyo - February 2019

Presentations 2018 to 2021 (continued)

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

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

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ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

**STATEMENT OF INCOME AND EXPENDITURE
FOR THE YEAR ENDED 30 NOVEMBER 2021**

	General Funds	Restricted Funds	Total 2021
INCOMING RESOURCES			
Donations/Grants	32,501	-	32,501
Fundraising	-	-	-
Gifts in Kind	20,500	-	20,500
Interest	21	-	21
	<hr/> 53,022	<hr/> -	<hr/> 53,022
RESOURCES EXPENDED			
Research costs	125,500	-	125,500
Fundraising	-	-	-
Marketing & PR	136	-	136
Administration costs	1,488	-	1,488
	<hr/> 127,124	<hr/> -	<hr/> 127,124
NET SURPLUS/(LOSS) FOR YEAR	<hr/> (74,102)	<hr/> -	<hr/> (74,102)
RETAINED SURPLUS at beginning of year	331,144	-	331,144
RETAINED SURPLUS at end of year	<hr/> 257,042	<hr/> -	<hr/> 257,042

Total 2020	Note
29,501	
9,800	3
20,500	4
20	5
<hr/> 59,821	
30,500	4
3,962	3
391	6
2,506	7
<hr/> 37,359	
<hr/> 22,462	
308,682	
<hr/> 331,144	

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.

**BALANCE SHEET
AS AT 30 NOVEMBER 2021**

	General Funds	Restricted Funds	Total 2021
FIXED ASSETS			
Computer equipment	-	-	-
CURRENT ASSETS			
Short-term investments	19,427	-	19,427
Bank	237,915	-	237,915
	<hr/> 257,342	<hr/> -	<hr/> 257,342
TOTAL ASSETS	<hr/> 257,342	<hr/> -	<hr/> 257,342
CURRENT LIABILITIES			
Accounts payable & accruals	300	-	300
TOTAL LIABILITIES	<hr/> 300	<hr/> -	<hr/> 300
ASSETS LESS LIABILITIES	<hr/> 257,042	<hr/> -	<hr/> 257,042
RESERVES			
Retained surplus	257,042	-	257,042
TOTAL RESERVES	<hr/> 257,042	<hr/> -	<hr/> 257,042

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Total 2020	Note
129	8
19,406	9
311,909	
331,315	
331,444	
300	
300	
331,144	
331,144	
331,144	
331,144	

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:101)

NOTES TO FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 NOVEMBER 2021

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.

2021

3. Fundraising income

Income from fundraising consists of the following:

Ritz event

-

The related expense is disclosed as follows:

Fundraising

-

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:101)

NOTES TO FINANCIAL STATEMENTS FOR THE YEAR ENDED 30 NOVEMBER 2021

2021

4. Gifts in kind

Gifts in kind are made up of the following:

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

Research costs (director's time)	20,500
Other	105,000
	<u>125,500</u>

5. Interest

Interest on short-term investments (note 8)

	General	Restricted	Total
Scottish Widows Bank	21	-	21
	<u>21</u>	<u>-</u>	<u>21</u>

6. Marketing & PR

Secretarial assistance

Other	-
	136
	<u>136</u>

7. Administration costs

Computer expenses	190
Depreciation	129
Licences & subscriptions	152
Postage, office supplies, printing & stationery	41
Travel & subsistence	676
Accounting fees	300
	<u>1,488</u>

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:101)

**NOTES TO FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 NOVEMBER 2021**

8. Fixed assets

	Cost	<u>2021</u> Acc Depn
Computer Equipment	772	772

The carrying amounts of equipment can be reconciled as follows:

	Opening Balance	Additions	Disposals	Depreciation
Computer Equipment	129	-	-	129

9. Short-term investments

			<u>2021</u>
9. Short-term investments			
	General	Restricted	Total
Scottish Widows Bank	19,427	-	19,427
	<u>19,427</u>	<u>-</u>	<u>19,427</u>

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2020

9,800.00

3,962.00

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2020

20,500

20,500
10,000
<hr/> 30,500

20
<hr/> 20

169
222
<hr/> 391

225
257
152
524
1,048
300
<hr/> 2,506

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Carrying Value	-
Closing Balance	-
<u>2020</u>	
19,406	
<u>19,406</u>	

ARTHROPLASTY FOR ARTHRITIS CHARITY (Charity no.:1051165)

REPORT

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

I report on the accounts of the Arthroplasty for Arthritis Charity for the year ended 30 November 2021 which are set out on pages 10 - 15

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.: 291)
Address:	54 Worcester Road Parkwood 2193 Johannesburg South Africa
Date:	3 August 2022



The South African Institute of Chartered Accountants



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Member

	<u>Total</u>	<u>Restricted</u>	<u>Unrestricted</u>
Opening balance investments	19,406	-	19,354
Interest for year (Scottish Widows)		-	21
	-	-	21
Closing balance investments	19,406	-	19,375

Scottish Widow

	<u>Total</u>	<u>Restricted</u>	<u>Unrestricted</u>
Bal at 30.11.20	19,406	-	19,406
Interest for year	-		21
Bal at 30.11.21	19,406	-	19,427

check

19,354	52
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21	-21
----	-----

1,031	-1,031
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19,375	31
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19,406	-
--------	---

21	-21
----	-----

19,427	-21
--------	-----