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2021 Annual General Meeting

28 October 2021

4DMedical Limited ACN 161 684 831 ASX:4DX



2021 AGM Agenda

Opening & introductions

- 1. Procedural matters
- 2. Chairman's address
- 3. Managing Director & CEO's presentation
- 4. Formal business

Closing remarks





4DMedical Board of Directors & Company Secretary



Bruce Rathie

Non-Executive Director and
Chairman (independent)



Andreas Fouras PhD
Group Managing Director &
Chief Executive Officer



Lilian Bianchi
Non-Executive Director
(independent), Chair of the
Audit & Risk Committee



Dr Robert A. Figlin

Non-Executive Director
(independent)



Lusia Guthrie Non-Executive Director (independent)



Julian Sutton
Non-Executive Director



John Livingston

Non-Executive Director,
Chair of the Remuneration &
Nomination Committee



Charlene Stahr
Company Secretary



Procedural matters

Charlene Stahr, Company Secretary



Procedural matters – how to vote

1

2

3

4

Click "Get a Voting
Card" located at the top
or bottom of the online
platform

Enter your Shareholder Number and click "Submit Details and Vote" Fill out your voting card for each item of business

Click "Submit Vote" or "Submit Partial Vote"



Procedural matters – how to ask a question (online)

1

2

3

Click "Ask a Question"
located at the top or bottom
of the online platform

Select the item of business from the drop-down menu and type your question into the space provided Once you have typed your question, click "Submit Question"



Procedural matters – how to ask a question (phone)

1

2

3

4

Join the Meeting via your landline or mobile phone.

From Australia:

1800 577 505

From overseas:

+61 2 9189 2002

When the Chairman calls for questions on each resolution, raise your hand by:

pressing *1 (asterisk 1)

You can lower your hand at any time by:

pressing *2 (asterisk 2)

Tell the moderator if your question(s) relate to an <u>item of business</u> or <u>general business</u>

When it's your time to ask your question, the moderator will introduce you to the Meeting and unmute your line. You can then start speaking 4DMedical 2021 AGM presentation

Chairman's address

Bruce Rathie, Non-executive director & Chairman

2



FY21 financial summary

Cash reserves

▲ 860% vs PY

\$80.88m

Operating costs

▲52%

\$24.46m

vs PY

Total income

~ 71%

vs PY

\$5.77m

% Loss after taxes

3%

\$21.42m

vs PY

Sales revenue

▼82% vs PY

\$0.22m

Our people

132%

95 staff

vs PY

Other income

159%

\$5.55m

vs PY

converted at the IPO

Headcount more than doubled with notable

- Significant cash reserve, with nil debt, following \$50.0m IPO in Aug 2020 and subsequent \$46.0m capital raising in Mar 2021 to support MRFF grant
- Sales revenue excludes US\$600k Permetium™ (preclinical) scanner sale announced 17 Jun 2021
- Other income includes \$4.1m R&D Tax Incentive credits and \$1.3m grant income, which comprises \$0.7m of initial MRFF funds received by ALHI (4DMedical subsidiary)
- Increased operating costs driven by continued investment in R&D and growing headcount
- Loss after tax includes \$2.63m of non-cash interest expense relating to convertible notes converted at the IPO
- Headcount more than doubled with notable expansion in the sales and distribution teams as commercialisation of XV LVAS™ accelerates



Managing Director & CEO presentation

Dr Andreas Fouras, Group Managing Director & CEO

4DMedical 2021 AGM presentation





Global lung diagnostics market

~US\$31 billion global lung diagnostics market opportunity ripe for disruption

- Initial focus is on penetrating the U.S. and Australian markets representing a US\$13.7bn and US\$285m opportunity respectively
- Given the large market size, even low market penetration could lead to substantial revenue generation with high gross margin
- Approximately 99% of all lung diagnostics are made up of thoracic X-ray, thoracic CT, PFTs and nuclear medicine
- Current diagnostics trade off accuracy, sensitivity, cost and radiation exposure, while failing to provide comprehensive insight into the form and function of the patient's lungs

Computed Tomography (CT)

Procedures

44.5m

Expenditure

\$11.9bn

Nuclear Medicine

Procedures

~1.4m

Expenditure

\$1.6bn

Pulmonary Function Tests (PFTs)

Procedures

~78.9m

Expenditure

\$3.4bn

X-ray technology

Procedures

253.0m

Expenditure

\$14.5bn

\$ = USD



FY21 year in review

4DMedical has achieved several significant milestones during FY21 despite the challenges and uncertainties of the global COVID-19 pandemic

August 2020

Successful IPO and listing on ASX, raising \$50m of new capital

October 2020

AusIndustry approved Finding to receive tax credits for up to 43.5% of eligible overseas R&D expenditure

December 2020

First commercial use of XV LVAS™ to a patient based in Victoria, Australia

February 2021

4DMedical subsidiary, ALHI, awarded \$28.9m of funding under MRFF Frontier initiative

May 2021

Commenced first clinical trial for contrast-free Ventilation Perfusion (VQ) product

September 2020

Received TGA approval* for XV LVAS™ for all respiratory indications

November 2020

Secured research program in partnership with the University of Miami in the U.S.

January 2021

Secured first clinical pilot for XV LVAS™ at St. Joseph Hospital in the U.S.

March 2021

Streamlined access to U.S. Department of Defense & Veterans Affairs contracts via NASA SEWP approval

June 2021

Commenced XV LVAS™ clinical trial at Johns Hopkins, bringing the total number of active trials to eight



Commercialisation strategy

Clinical trials

(approx. 6+ months)

Commercial pilots

(approx. 3 weeks - 3 months)



Research partners delivering the body of scientific evidence for clinical use



Physicians gaining familiarity with XV Technology™ and insights for patient care

Who

Eminent researchers & leading medical institutes

Why

Diagnostics, treatment efficacy, monitoring, disease progression & more

Who

GPs, respiratory specialists, imaging centres & hospitals

Why

Assess regional lung function for patient management

Outcome:

- Scientific investigation into case applications
- Publishing medical manuscripts and presenting research to industry

Study design: Full scientific method per researcher

Outcome:

- Clinical familiarisation with XV Technology™
- Feasible new use of existing X-ray equipment (imaging centres)

Pilot design: Tiered per facility & physician interest



Clinical trials

4DMedical has eight clinical trials currently active driving awareness and education

		1	2	3	4	5	6	7	8
		Agreement executed	Study design approved	Budget approved	IRB approved	Patient recruitment	First imaging	Final imaging	Study complete
Site/indication	Product								
Cleveland Clinic Pulmonary Hypertension	VQ			•		5			
Duke University Lung Transplant	XV LVAS						6		
Vanderbilt University Constrictive Bronchiolitis	XV LVAS						6		
Johns Hopkins COPD	XV LVAS						6		
OHSU COPD	XV LVAS						6		
University of Miami	XQ						6		
University of Miami	XV LVAS						6		
Johns Hopkins Paediatric Cystic Fibrosis	XV LVAS					5			



Commercial pilot pipeline (AUS & USA)

4DMedical has rapidly established a strong commercial pilot pipeline comprising of capital city hospitals, national imaging centres and major GP practitioners





Clinical case study (1)

Patient details

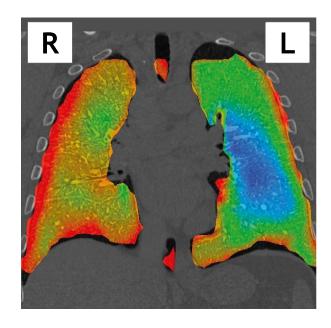
Male

45 years old

Clinical history

- Biopsy-proven silicosis
- Ex-smoker
- Right-sided chest discomfort with breathing

XV LVAS™ scan



Results

Tidal volume	•	0.41L
Ventilation heterogeneity (%)	•	63.2 total
Ventilation defect percentage (%)	•	20.2%

Summary

- Patient history of silicosis and persistent discomfort on the right-side of chest
- Patient unable to complete a spirometry test due to breathing issues
- XV LVAS[™] scan highlighted asymmetry in regional lung ventilation with relative reduction in ventilation on right side – corresponding with the patient's symptoms
- The patient and referring doctor gained additional insights into the patient's lung function



Clinical case study (2)

Patient details

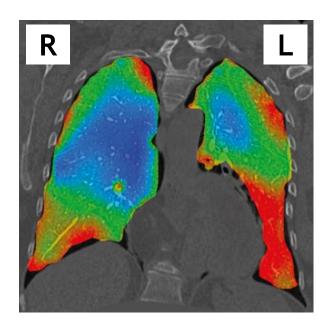
Female

69 years old

Clinical history

- Past history of COVID 19
- Gastric Oesophageal Reflux Disease
- Recurrent chest infections

XV LVAS™ scan



Results

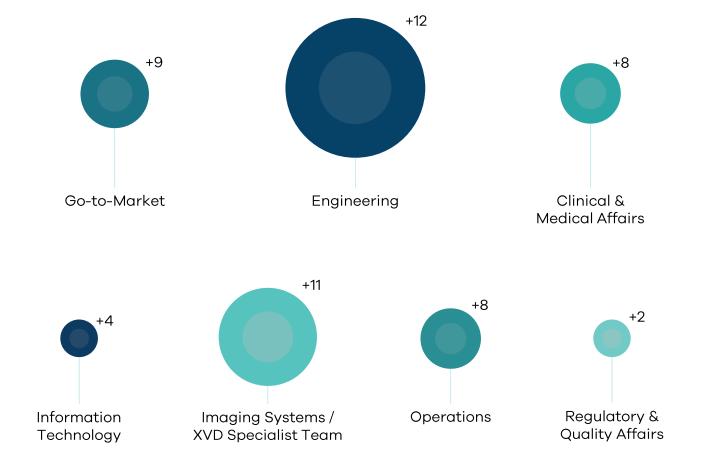
Tidal volume	•	0.28L
Ventilation heterogeneity (%)	•	91.9 total
Ventilation defect percentage (%)	•	26.9%

Summary

- Patient history of COVID-19 infection and recurrent chest infections
- Patient completed a CT and XV LVAS™ scan that revealed a large hiatus hernia compressing adjacent areas of the lung
- The XV LVAS[™] helped quantify a greater impact on ventilation in the in the left lower zone due to mass effect from the hernia (non-obstructive atelectasis)
- The impact of the hernia on ventilation was not fully appreciated on the CT scan



Staff hires by department



- Rapid expansion of our team in line with major business objectives, with staff growing 132% by end of FY21
- Focus on specialist expertise, including the Go-to-Market and Engineering teams which more than doubled in size
- A new Imaging Systems team was created to support the XVD Scanner[™] project
- 95 total staff count at 30 June 2021 74 in Australia and 21 in the U.S., with 27% female staff in a male dominate industry
- Clinical and Medical Affairs also expanded significantly, to support clinical and pilot activities in the U.S. and Australia.



Outlook FY22

The Company is focused on the following activities:

1

Communication of XV Technology™ clinical trials results through publication in peer-reviewed medical journals and presentations at conferences to drive awareness, education and adoption at key opinion leading hospitals

2

Establishing commercial pilots with healthcare providers, identified by the Go-to-Market team, for day-to-day use to use of XV LVAS™ in their standard protocol/workflow

3

Conversion of commercial pilot partners, both existing and future, into paying customers of XV LVAS™

4

Continued investment into research and development of the Group's product pipeline, including the contrast free VQ product and XVD Scanner™, as well as XV LVAS™



Product pipeline

Each product is designed to expand applicable indications and market opportunity







Overview

Quantifies regional lung function at all locations in the lungs during active breathing FDA cleared and TGA approved

Evaluates airflow (ventilation) & blood flow (perfusion) in the lungs

The world's first dedicated lung function scanner enabling both XV LVAS™ and VQ outputs

Benefits

- Low barrier to market entry, utilising existing fluoroscopy equipment
- Lose dose, high sensitivity data

- Easy to administer, faster & simpler than existing diagnostic technology
- No contrast agent reduces patient harm
- Leverages existing market uptake of XV Technology™
- Reduced radiation dose, increased scanning throughput and broadened patient cohort

Use cases

- Asthma
- Cystic fibrosis
- Chronic obstructive pulmonary disease
- Chronic bronchitis
- Lung transplant
- Constrictive bronchiolitis

- Pulmonary embolism
- Pulmonary hypertension

 Both XV LVAS and VQ indications in both adults and children

Competitor technology

X-ray (fluoroscopy)

Computed Tomography (CT)

Pulmonary Function Tests (PFTs)

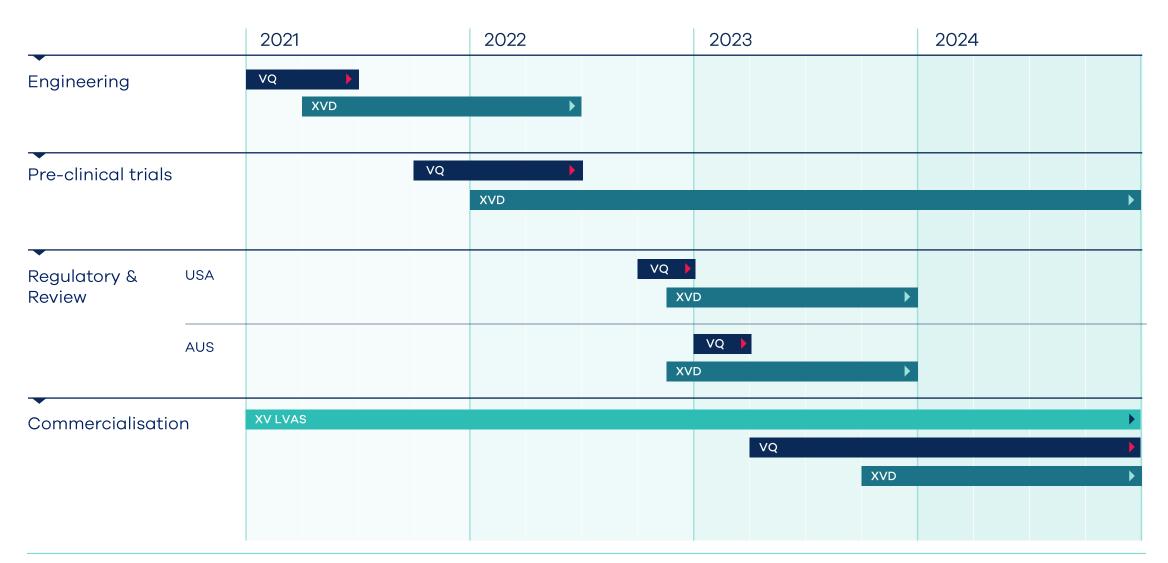
Nuclear V/Q scan

CT pulmonary angiogram

XV LVAS™ and VQ competitor devices Also X-ray (fluoroscopy)



Product milestones





Formal business

4DMedical 2021 AGM presentation

4



Financial Report, Directors' Report & Auditor's Report

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'To receive and consider the Financial Report of the Company and its controlled entities and the Reports of the Directors and Auditor for the year ended 30 June 2021.'

There is no vote on this item.



Remuneration Report

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That the Remuneration Report, as contained in the Directors' Report for the year ended 30 June 2021, is adopted.'

Note: the vote on this resolution is advisory only and does not bind the Directors or the Company. An explanatory note for this item appears on page 11 of the Notice of Meeting.



Remuneration Report

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That the Remuneration Report, as contained in the Directors' Report for the year ended 30 June 2021, is adopted.'

For	Open	Against	Abstained
59,962,963	2,610,079	2,185,415	724,757
92.59%	4.03%	3.37%	



Re-election of Dr Robert A. Figlin

Joined Board: 9 December 2016



Background: Dr Figlin MD FACP is a Professor of Medicine and Biomedical Sciences and is the Steven Spielberg Family Chair in Hematology-Oncology, and Deputy Director of the Samuel Oschin Comprehensive Cancer Institute and Deputy Director of Integrated Oncology at Cedars-Sinai Medical Center in Los Angeles, California.

Dr Figlin received his medical degree from the Medical College of Pennsylvania. Dr Figlin completed his residency and chief residency in internal medicine at Cedars-Sinai Medical Center and a fellowship in hematology/oncology at the David Geffen School of Medicine at UCLA. He is an Emeritus Professor of Medicine and Urology at the David Geffen School of Medicine at UCLA.

Dr Figlin currently serves as Editor for Kidney Cancer Journal, and his studies have appeared in Clinical Cancer Research, Journal of Clinical Oncology, New England Journal of Medicine, Lancet, JNCI, Lancet Oncology, and Journal of Urology, among others. He has authored over 400 peer reviewed articles, more than 70 book chapters, and has published as editor multiple books on kidney cancer.

Dr Figlin is a nationally recognised leader in genitourinary and thoracic oncology whose research focuses on renal cell carcinoma and thoracic malignancies. He established and directs the Kidney Cancer Program at Cedars-Sinai Medical Center, which aims to understand the biology of kidney cancer and translate that knowledge into novel treatment approaches.



Re-election of Dr Robert A. Figlin

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:



'That, for the purposes of clause 13.1 of the Company's constitution, ASX Listing Rule 14.5, and for all other purposes, Dr Robert A. Figlin, a non-executive director appointed on 9 December 2016, and being eligible, is re-elected as a director.'

For	Open	Against	Abstained
119,445,619	2,643,090	6,165,598	5,018,333
93.13%	2.06%	4.81%	



Non-executive Directors' Fees

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of clause 13.4 of the Company's constitution, ASX Listing Rule 10.17 and for all other purposes, the maximum aggregate director's fees that may be paid to the Directors of the Company as a whole (other than Executive Directors) be increased by \$250,000 per annum from \$500,000 per annum to \$750,000 per annum.'

An explanatory note for this item appears on page 12 of the Notice of Meeting.



Non-executive Directors' Fees

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of clause 13.4 of the Company's constitution, ASX Listing Rule 10.17 and for all other purposes, the maximum aggregate director's fees that may be paid to the Directors of the Company as a whole (other than Executive Directors) be increased by \$250,000 per annum from \$500,000 per annum to \$750,000 per annum.'

For	Open	Against	Abstained
59,033,856	2,610,773	3,762,392	1,133,875
90.26%	3.99%	5.75%	



Grant of Options to the Managing Director & CEO

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of ASX Listing Rule 10.14, Chapter 2E of the Corporations Act 2001 (Cth), and for all other purposes, the grant of 701,719 options to Managing Director and CEO, Dr Andreas Fouras, under the 4DMedical Long Term Incentive Plan and on the terms described in the explanatory notes accompanying this notice, is approved.'

An explanatory note for this item appears on page 13 of the Notice of Meeting.



Grant of Options to the Managing Director & CEO

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of ASX Listing Rule 10.14, Chapter 2E of the Corporations Act 2001 (Cth), and for all other purposes, the grant of 701,719 options to Managing Director and CEO, Dr Andreas Fouras, under the 4DMedical Long Term Incentive Plan and on the terms described in the explanatory notes accompanying this notice, is approved.'

For	Open	Against	Abstained
61,696,073	2,608,993	2,494,595	784,979
92.36%	3.91%	3.73%	



Item 6(a)

Ratification of prior issue of shares – March 2021 placement (LR 7.1)

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of ASX Listing Rule 7.4 and for all other purposes, shareholders approve and ratify the issue of 25,806,436 fully paid ordinary shares in the Company on 11 March 2021 to certain institutional and professional investors on the terms and conditions set out in the explanatory notes accompanying this notice.'

Item 6(b)

Ratification of prior issue of shares – April 2021 share purchase plan (LR 7.1)

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of ASX Listing Rule 7.4 and for all other purposes, shareholders approve and ratify the issue of 3,870,954 fully paid ordinary shares in the Company on 7 April 2021 to certain shareholders of the Company on the terms and conditions set out in the explanatory notes accompanying this notice.'

An explanatory note for this item appears on page 15 of the Notice of Meeting.





Item 6(a)

Ratification of prior issue of shares – March 2021 placement (LR 7.1)

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of ASX Listing Rule 7.4 and for all other purposes, shareholders approve and ratify the issue of 25,806,436 fully paid ordinary shares in the Company on 11 March 2021 to certain institutional and professional investors on the terms and conditions set out in the explanatory notes accompanying this notice.'

For	Open	Against	Abstained
95,072,867	2,498,162	135,464	388,609
97.30%	2.56%	0.14%	



Item 6(b)

Ratification of prior issue of shares – April 2021 share purchase plan (LR 7.1)

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of ASX Listing Rule 7.4 and for all other purposes, shareholders approve and ratify the issue of 3,870,954 fully paid ordinary shares in the Company on 7 April 2021 to certain shareholders of the Company on the terms and conditions set out in the explanatory notes accompanying this notice.'

For	Open	Against	Abstained
89,518,085	2,115,387	1,783,319	4,211,376
95.83%	2.26%	1.91%	



Item 7(a)

Ratification of prior issue of shares – Tax Exempt Employee Share Plan (LR 7.1)

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of ASX Listing Rule 7.4 and for all other purposes, shareholders approve and ratify the issue of 52,042 fully paid ordinary shares in the Company on 29 June 2021 to certain employees of the 4DMedical group of companies, under the rules of the 4DMedical Tax Exempt Employee Share Plan and on the terms and conditions set out in the explanatory notes accompanying this notice.'

Item 7(b)

Approval in respect of the Tax Exempt Employee Share Plan

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of ASX Listing Rule 7.1 and in accordance with ASX Listing Rule 7.2 Exception 13 and for all other purposes, the rules of the 4DMedical Tax Exempt Employee Share Plan (which are summarised in the Explanatory Notes accompanying this Notice) and the future issue of shares under that plan, be approved.'

An explanatory note for this item appears on page 17 of the Notice of Meeting.



Item 7(a)

Ratification of prior issue of shares – Tax Exempt Employee Share Plan (LR 7.1)

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of ASX Listing Rule 7.4 and for all other purposes, shareholders approve and ratify the issue of 52,042 fully paid ordinary shares in the Company on 29 June 2021 to certain employees of the 4DMedical group of companies, under the rules of the 4DMedical Tax Exempt Employee Share Plan and on the terms and conditions set out in the explanatory notes accompanying this notice.'

For	Open	Against	Abstained
60,278,043	2,030,274	352,763	95,718
96.20%	3.24%	0.56%	



Item 7(b)

Approval in respect of the Tax Exempt Employee Share Plan

To consider, and if thought fit, to pass, the following as an **ordinary** resolution:

'That for the purposes of ASX Listing Rule 7.1 and in accordance with ASX Listing Rule 7.2 Exception 13 and for all other purposes, the rules of the 4DMedical Tax Exempt Employee Share Plan (which are summarised in the Explanatory Notes accompanying this Notice) and the future issue of shares under that plan, be approved.'

For	Open	Against	Abstained
58,540,897	2,030,274	2,080,332	105,295
93.44%	3.24%	3.32%	



Thank you

Contacts

Corporate

Charlene StahrCompany Secretary

companysecretary@4dmedical.com

Investor Relations

Simon Hinsley +61 401 809 653

shinsley@4dmedical.com

Media

Matthew Wright

+61 451 896 420

matt@nwrcommunications.com.au

For more information, please visit

www.4DMedical.com