

ICMJE DISCLOSURE FORM

Date: June 6th, 2022

Your Name: Yurui Qian

Manuscript Title: Inhomogeneous liver fibrosis distribution revealed by Macromolecular Proton Fraction quantification based on Spin-Lock MRI

Manuscript number (if known):

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

The following questions apply to the author's relationships/activities/interests as they relate to the current manuscript only.

The author's relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

In item #1 below, report all support for the work reported in this manuscript without time limit. For all other items, the time frame for disclosure is the past 36 months.

		Name all entities with whom you have this relationship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
Time frame: Since the initial planning of the work			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item.	__X__None	
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).		
3	Royalties or licenses	__X__None	

4	Consulting fees		
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input checked="" type="checkbox"/> None	
8	Patents planned, issued or pending		
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests		

Please summarize the above conflict of interest in the following box:

Yurui Qian has no conflicts of interest to declare.

Please place an “X” next to the following statement to indicate your agreement:

Yurui Qian I certify that I have answered every question and have not altered the wording of any of the questions on this form.

ICMJE DISCLOSURE FORM

Date: June 6st, 2022

Your Name: Vincent Wai-Sun Wong

Manuscript Title: Inhomogeneous liver fibrosis distribution revealed by Macromolecular Proton Fraction quantification based on Spin-Lock MRI

Manuscript number (if known):

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

The following questions apply to the author's relationships/activities/interests as they relate to the current manuscript only.

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Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	Innovation and Technology Commission of the Hong Kong SAR	
		Hong Kong Health and Medical Research	

		Fund	
		Faculty Innovation Award from the Faculty of Medicine, the Chinese University of Hong Kong	
		Research Grants Council of the Hong Kong SAR	
3	Royalties or licenses	<input checked="" type="checkbox"/> None	
4	Consulting fees		
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input checked="" type="checkbox"/> None	
8	Patents planned, issued or pending		
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests	shareholders of Illuminatio Medical	Weitian Chen, Winnie Chiu-Wing Chu and Vincent Wai-Sun Wong are shareholders of

		Technology Limited	Illuminatio Medical Technology Limited
		advisory board member for Echosens	Vincent Wong served as a speaker and advisory board member for Echosens

Please summarize the above conflict of interest in the following box:

Vincent Wai-Sun Wong is a shareholder of Illuminatio Medical Technology Limited. Vincent Wong also served as a speaker and advisory board member for Echosens.

This study is supported by a grant from the Innovation and Technology Commission of the Hong Kong SAR (Project MRP/046/20X), a grant from the Hong Kong Health and Medical Research Fund (HMRF) 06170166, Faculty Innovation Award from the Faculty of Medicine, the Chinese University of Hong Kong, and a grant from the Research Grants Council of the Hong Kong SAR (Project SEG CUHK02).

Please place an "X" next to the following statement to indicate your agreement:

Vincent Wai-Sun Wong I certify that I have answered every question and have not altered the wording of any of the questions on this form.

ICMJE DISCLOSURE FORM

Date: June 6st, 2022

Your Name: Jian Hou

Manuscript Title: Inhomogeneous liver fibrosis distribution revealed by Macromolecular Proton Fraction quantification based on Spin-Lock MRI

Manuscript number (if known):

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

The following questions apply to the author's relationships/activities/interests as they relate to the current manuscript only.

The author's relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

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Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	__X__ None	
		__X__ None	
		__X__ None	
		__X__ None	
3	Royalties or licenses	__X__ None	

4	Consulting fees		
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input checked="" type="checkbox"/> None	
8	Patents planned, issued or pending	US 11,280,867 B2 System and Method for Quantitative Magnetization Transfer Imaging Based on Spin-Lock	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests		

Please summarize the above conflict of interest in the following box:

An USA patent of MPF-SL (US 11,280,867 B2) is granted.

Please place an "X" next to the following statement to indicate your agreement:

Jian Hou I certify that I have answered every question and have not altered the wording of any of the questions on this form.

ICMJE DISCLOSURE FORM

Date: June 6st, 2022

Your Name: Baiyan Jiang

Manuscript Title: Inhomogeneous liver fibrosis distribution revealed by Macromolecular Proton Fraction quantification based on Spin-Lock MRI

Manuscript number (if known):

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

The following questions apply to the author's relationships/activities/interests as they relate to the current manuscript only.

The author's relationships/activities/interests should be defined broadly. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

In item #1 below, report all support for the work reported in this manuscript without time limit. For all other items, the time frame for disclosure is the past 36 months.

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Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	__X__ None	
		__X__ None	
		__X__ None	
		__X__ None	
3	Royalties or licenses	__X__ None	

4	Consulting fees		
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input checked="" type="checkbox"/> None	
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11	Stock or stock options	<input checked="" type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests	Employment	Baiyan Jiang is an employee of Illuminatio Medical Technology Limited.

Please summarize the above conflict of interest in the following box:

Baiyan Jiang is an employee of Illuminatio Medical Technology Limited.

An USA patent of MPF-SL (US 11,280,867 B2) is granted.

Please place an "X" next to the following statement to indicate your agreement:

Baiyan Jiang I certify that I have answered every question and have not altered the wording of any of the questions on this form.

ICMJE DISCLOSURE FORM

Date: June 6th, 2022

Your Name: Winnie Chiu-Wing Chu

Manuscript Title: Inhomogeneous liver fibrosis distribution revealed by Macromolecular Proton Fraction quantification based on Spin-Lock MRI

Manuscript number (if known):

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

The following questions apply to the author's relationships/activities/interests as they relate to the current manuscript only.

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		Faculty Innovation Award from the Faculty of Medicine, the Chinese University of Hong Kong	
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11	Stock or stock options	<input checked="" type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests	shareholders of Illuminatio Medical	Weitian Chen, Winnie Chiu-Wing Chu and Vincent Wai-Sun Wong are shareholders of

		Technology Limited	Illuminatio Medical Technology Limited

Please summarize the above conflict of interest in the following box:

Winnie Chiu-Wing Chu is a shareholder of Illuminatio Medical Technology Limited.

This study is supported by a grant from the Innovation and Technology Commission of the Hong Kong SAR (Project MRP/046/20X), a grant from the Hong Kong Health and Medical Research Fund (HMRF) 06170166, Faculty Innovation Award from the Faculty of Medicine, the Chinese University of Hong Kong, and a grant from the Research Grants Council of the Hong Kong SAR (Project SEG CUHK02).

Please place an "X" next to the following statement to indicate your agreement:

Winnie Chiu-Wing Chu I certify that I have answered every question and have not altered the wording of any of the questions on this form.

ICMJE DISCLOSURE FORM

Date: June 6th, 2022

Your Name: Weitian Chen

Manuscript Title: Inhomogeneous liver fibrosis distribution revealed by Macromolecular Proton Fraction quantification based on Spin-Lock MRI

Manuscript number (if known):

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		Research Grants Council of the Hong Kong SAR	
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10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical	<input checked="" type="checkbox"/> None	

	writing, gifts or other services		
13	Other financial or non-financial interests	shareholders of Illuminatio Medical Technology Limited	Weitian Chen, Winnie Chiu-Wing Chu and Vincent Wai-Sun Wong are shareholders of Illuminatio Medical Technology Limited

Please summarize the above conflict of interest in the following box:

Weitian Chen is a shareholder of Illuminatio Medical Technology Limited.

An USA patent of MPF-SL (US 11,280,867 B2) is granted.

This study is supported by a grant from the Innovation and Technology Commission of the Hong Kong SAR (Project MRP/046/20X), a grant from the Hong Kong Health and Medical Research Fund (HMRF) 06170166, Faculty Innovation Award from the Faculty of Medicine, the Chinese University of Hong Kong, and a grant from the Research Grants Council of the Hong Kong SAR (Project SEG CUHK02).

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