Date: May. 10th, 2024 Your Name: Zheng Zhou

Manuscript Title: Weightlessness damaged the ultrastructure of knee cartilage and quadriceps muscle, aggravated the

degeneration of cartilage

Manuscript number (if known): AOJ-24-6-CL

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.

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

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

None.			

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

Date: May. 10th, 2024 Your Name: Xu Cheng

Manuscript Title: Weightlessness damaged the ultrastructure of knee cartilage and quadriceps muscle, aggravated the

degeneration of cartilage

Manuscript number (if known): AOJ-24-6-CL

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

None.			

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

Date: May. 10th, 2024 Your Name: Fan Yang

Manuscript Title: Weightlessness damaged the ultrastructure of knee cartilage and quadriceps muscle, aggravated the

degeneration of cartilage

Manuscript number (if known): AOJ-24-6-CL

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

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

None.			

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

Date: May. 10th, 2024 Your Name: Zhihua Zhang

Manuscript Title: Weightlessness damaged the ultrastructure of knee cartilage and quadriceps muscle, aggravated the

degeneration of cartilage

Manuscript number (if known): AOJ-24-6-CL

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	manuscript (e.g., funding,		
	provision of study materials, medical writing, article		
	processing charges, etc.)		
	No time limit for this item.		
		Time frame: past	36 months
2	Grants or contracts from	None	X
	any entity (if not indicated		
	in item #1 above).		
3	Royalties or licenses	None	X
4	Consulting fees	None	X

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

None.			

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

Date: May. 10th, 2024 Your Name: Kaiping Liu

Manuscript Title: Weightlessness damaged the ultrastructure of knee cartilage and quadriceps muscle, aggravated the

degeneration of cartilage

Manuscript number (if known): AOJ-24-6-CL

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	No time limit for this item.		
	No time initial to this term.		
		Time frame: past	36 months
2	Grants or contracts from	None	X
	any entity (if not indicated		
	in item #1 above).		
3	Royalties or licenses	None	X
4	Consulting fees	None	X

5	Payment or honoraria for	None	X
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	manuscript writing or educational events		
6	Payment for expert	None	X
	testimony		
7	Support for attending meetings and/or travel	None	X
	_		
8	Patents planned, issued or	None	X
	pending		
9	Participation on a Data	None	X
	Safety Monitoring Board or Advisory Board		
10	Leadership or fiduciary role	None	X
	in other board, society,		
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	None	X
10			
12	Receipt of equipment, materials, drugs, medical	None	X
	writing, gifts or other		
	services		
13	Other financial or non-	None	X
	financial interests		

None.			

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

Date: May. 10th, 2024 Your Name: Xin Zhang

Manuscript Title: Weightlessness damaged the ultrastructure of knee cartilage and quadriceps muscle, aggravated the

degeneration of cartilage

Manuscript number (if known): AOJ-24-6-CL

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4	Consulting fees	None	Х

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	testimony		
7	Support for attending meetings and/or travel	None	X
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8	Patents planned, issued or	None	X
	pending		
9	Participation on a Data	None	X
	Safety Monitoring Board or Advisory Board		
10	Leadership or fiduciary role	None	X
	in other board, society,		
	committee or advocacy		
	group, paid or unpaid		
11	Stock or stock options	None	X
10			
12	Receipt of equipment, materials, drugs, medical	None	X
	writing, gifts or other		
	services		
13	Other financial or non-	None	X
	financial interests		

None.			

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

Date: May. 10th, 2024 Your Name: Hongjie Huang

Manuscript Title: Weightlessness damaged the ultrastructure of knee cartilage and quadriceps muscle, aggravated the

degeneration of cartilage

Manuscript number (if known): AOJ-24-6-CL

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8	Patents planned, issued or	None	X
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9	Participation on a Data	None	X
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10			
12	Receipt of equipment, materials, drugs, medical	None	X
	writing, gifts or other		
	services		
13	Other financial or non-	None	X
	financial interests		

None.			

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

Date: May. 10th, 2024 Your Name: Jianquan Wang

Manuscript Title: Weightlessness damaged the ultrastructure of knee cartilage and quadriceps muscle, aggravated the

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Manuscript number (if known): AOJ-24-6-CL

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