Date: May 18 2023 Your Name: Yang Yang

Manuscript Title: Segmentation method of magnetic resonance imaging brain tumor images based on improved UNet

network

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 <u>current</u> manuscript only.

The author's relationships/activities/interests should be <u>defined broadly</u>. 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.

		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.	XNone	
		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	XNone	
3	Royalties or licenses	XNone	
4	Consulting fees	XNone	

		1		
5	Payment or honoraria for lectures, presentations,	XNone		
	speakers bureaus,			
	manuscript writing or			
	educational events			
6	Payment for expert	XNone		
	testimony			
7	Support for attending meetings and/or travel	XNone		
	ğ .			
8	Patents planned, issued or	XNone		
	pending			
9	Participation on a Data	XNone		
	Safety Monitoring Board or			
	Advisory Board			
10	Leadership or fiduciary role	XNone		
	in other board, society,			
	committee or advocacy			
	group, paid or unpaid			
11	Stock or stock options	XNone		
12	Receipt of equipment,	XNone		
	materials, drugs, medical			
	writing, gifts or other			
	services			
13	Other financial or	XNone		
	non-financial interests			
	Please summarize the above conflict of interest in the following box:			

Date: May 18 2023 Your Name: Peng Wang

Manuscript Title: Segmentation method of magnetic resonance imaging brain tumor images based on improved UNet

network

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 <u>current</u> manuscript only.

The author's relationships/activities/interests should be <u>defined broadly</u>. 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.

		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.	XNone	
		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	XNone	
3	Royalties or licenses	XNone	
4	Consulting fees	XNone	

		1		
5	Payment or honoraria for lectures, presentations,	XNone		
	speakers bureaus,			
	manuscript writing or			
	educational events			
6	Payment for expert	XNone		
	testimony			
7	Support for attending meetings and/or travel	XNone		
	ğ .			
8	Patents planned, issued or	XNone		
	pending			
9	Participation on a Data	XNone		
	Safety Monitoring Board or			
	Advisory Board			
10	Leadership or fiduciary role	XNone		
	in other board, society,			
	committee or advocacy			
	group, paid or unpaid			
11	Stock or stock options	XNone		
12	Receipt of equipment,	XNone		
	materials, drugs, medical			
	writing, gifts or other			
	services			
13	Other financial or	XNone		
	non-financial interests			
	Please summarize the above conflict of interest in the following box:			

Date: May 18 2023 Your Name:Zhenyu Yang

Manuscript Title: Segmentation method of magnetic resonance imaging brain tumor images based on improved UNet

network

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 <u>current manuscript only</u>.

The author's relationships/activities/interests should be <u>defined broadly</u>. 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.

		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.	XNone	
		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	XNone	
3	Royalties or licenses	XNone	
4	Consulting fees	XNone	

		1		
5	Payment or honoraria for lectures, presentations,	XNone		
	speakers bureaus,			
	manuscript writing or			
	educational events			
6	Payment for expert	XNone		
	testimony			
7	Support for attending meetings and/or travel	XNone		
	ğ .			
8	Patents planned, issued or	XNone		
	pending			
9	Participation on a Data	XNone		
	Safety Monitoring Board or			
	Advisory Board			
10	Leadership or fiduciary role	XNone		
	in other board, society,			
	committee or advocacy			
	group, paid or unpaid			
11	Stock or stock options	XNone		
12	Receipt of equipment,	XNone		
	materials, drugs, medical			
	writing, gifts or other			
	services			
13	Other financial or	XNone		
	non-financial interests			
	Please summarize the above conflict of interest in the following box:			

Date: May 18 2023

Your Name:Yuecheng Zeng

Manuscript Title: Segmentation method of magnetic resonance imaging brain tumor images based on improved UNet

network

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 <u>current</u> manuscript only.

The author's relationships/activities/interests should be <u>defined broadly</u>. 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.

		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.	XNone	
		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	XNone	
3	Royalties or licenses	XNone	
4	Consulting fees	XNone	

		1		
5	Payment or honoraria for lectures, presentations,	XNone		
	speakers bureaus,			
	manuscript writing or			
	educational events			
6	Payment for expert	XNone		
	testimony			
7	Support for attending meetings and/or travel	XNone		
	ğ .			
8	Patents planned, issued or	XNone		
	pending			
9	Participation on a Data	XNone		
	Safety Monitoring Board or			
	Advisory Board			
10	Leadership or fiduciary role	XNone		
	in other board, society,			
	committee or advocacy			
	group, paid or unpaid			
11	Stock or stock options	XNone		
12	Receipt of equipment,	XNone		
	materials, drugs, medical			
	writing, gifts or other			
	services			
13	Other financial or	XNone		
	non-financial interests			
	Please summarize the above conflict of interest in the following box:			

Date: May 18 2023 Your Name: Feng Chen

Manuscript Title: Segmentation method of magnetic resonance imaging brain tumor images based on improved UNet

network

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 <u>current manuscript only</u>.

The author's relationships/activities/interests should be <u>defined broadly</u>. 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.

		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.	XNone	
		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	XNone	
3	Royalties or licenses	XNone	
4	Consulting fees	XNone	

		1		
5	Payment or honoraria for lectures, presentations,	XNone		
	speakers bureaus,			
	manuscript writing or			
	educational events			
6	Payment for expert	XNone		
	testimony			
7	Support for attending meetings and/or travel	XNone		
	ğ .			
8	Patents planned, issued or	XNone		
	pending			
9	Participation on a Data	XNone		
	Safety Monitoring Board or			
	Advisory Board			
10	Leadership or fiduciary role	XNone		
	in other board, society,			
	committee or advocacy			
	group, paid or unpaid			
11	Stock or stock options	XNone		
12	Receipt of equipment,	XNone		
	materials, drugs, medical			
	writing, gifts or other			
	services			
13	Other financial or	XNone		
	non-financial interests			
	Please summarize the above conflict of interest in the following box:			

Date: May 18 2023

Your Name:Zhiyong Wang

Manuscript Title: Segmentation method of magnetic resonance imaging brain tumor images based on improved UNet

network

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 <u>current</u> manuscript only.

The author's relationships/activities/interests should be <u>defined broadly</u>. 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.

		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.	XNone	
		Time frame: past	36 months
2	Grants or contracts from any entity (if not indicated in item #1 above).	XNone	
3	Royalties or licenses	XNone	
4	Consulting fees	XNone	

		1		
5	Payment or honoraria for lectures, presentations,	XNone		
	speakers bureaus,			
	manuscript writing or			
	educational events			
6	Payment for expert	XNone		
	testimony			
7	Support for attending meetings and/or travel	XNone		
	ğ .			
8	Patents planned, issued or	XNone		
	pending			
9	Participation on a Data	XNone		
	Safety Monitoring Board or			
	Advisory Board			
10	Leadership or fiduciary role	XNone		
	in other board, society,			
	committee or advocacy			
	group, paid or unpaid			
11	Stock or stock options	XNone		
12	Receipt of equipment,	XNone		
	materials, drugs, medical			
	writing, gifts or other			
	services			
13	Other financial or	XNone		
	non-financial interests			
	Please summarize the above conflict of interest in the following box:			

## ICMJE DISCLOSURE FORM

Date: May 18 2023

Your Name: Stefania Rizzo

Manuscript Title: Segmentation method of magnetic resonance imaging brain tumor images based on improved UNet

network

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 <u>current</u> <u>manuscript only</u>.

The author's relationships/activities/interests should be <u>defined broadly</u>. 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.

		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.	XNone				
	Time frame: past 36 months					
2	Grants or contracts from any entity (if not indicated in item #1 above).	XNone				
3	Royalties or licenses	XNone				
4	Consulting fees	XNone				

5	Payment or honoraria for lectures, presentations,	XNone			
	speakers bureaus,				
	manuscript writing or				
	educational events	V. Nana			
6	Payment for expert testimony	XNone			
	testimony				
7	Support for attending	X None			
'	meetings and/or travel				
	meetings and/or traver				
		V N			
8	Patents planned, issued or	XNone			
	pending				
9	Participation on a Data	X None			
9	Safety Monitoring Board or				
	Advisory Board				
10	Leadership or fiduciary role	X None			
	in other board, society,				
	committee or advocacy				
	group, paid or unpaid				
11	Stock or stock options	XNone			
12	Receipt of equipment,	XNone			
	materials, drugs, medical				
	writing, gifts or other services				
13	Other financial or non-	X None			
13	financial interests	NUITE			
	manda meres				
Plea	Please summarize the above conflict of interest in the following box:				

None.