

#### **Instructions**

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### Identifying information.

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This section asks about patents and copyrights, whether pending, issued, licensed and/or receiving royalties.

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Section 1. Identifying Inform	mation	
1. Given Name (First Name) Shun	2. Surname (Last Name) Liu	3. Date 30-December-2020
4. Are you the corresponding author?	☐ Yes ✓ No	Corresponding Author's Name Ruiming Rong
5. Manuscript Title Machine learning models to predict re	d blood cell transfusion in	patients undergoing mitral valve surgery
6. Manuscript Identifying Number (if you k	now it)	_
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Section 3. Relevant financial	l activities outside the	submitted work.
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Section 4. Intellectual Prope	erty Patents & Copyri	ahts
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Do you have any patents, whether plan	nned, pending or issued, bi	roadly relevant to the work? Yes No



Section 5.	
Section 5.	Relationships not covered above
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Dr. Liu has nothi	ng to disclose.

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Zhou 1



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5. Manuscript Title Machine learning		blood cell transfusion in p	patients undergoing mitral v	valve surgery
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Xia 1



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Ren 1



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4. Are you the corresponding author?	Yes ✓ No	Corresponding Author's Name Ruiming Rong
5. Manuscript Title Machine learning models to predict re-	d blood cell transfusion in	patients undergoing mitral valve surgery
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Sang 1



Section 1. Identifying Inform	nation	
1. Given Name (First Name) Ruirui	2. Surname (Last Name) Sang	3. Date 30-December-2020
4. Are you the corresponding author?	☐ Yes ✓ No	Corresponding Author's Name Ruiming Rong
5. Manuscript Title Machine learning models to predict rec	d blood cell transfusion in	patients undergoing mitral valve surgery
6. Manuscript Identifying Number (if you kr	now it)	
		_
Section 2. The Work Under Co	onsideration for Public	cation
any aspect of the submitted work (including statistical analysis, etc.)? Are there any relevant conflicts of intere	g but not limited to grants, da	n a third party (government, commercial, private foundation, etc.) for ata monitoring board, study design, manuscript preparation,
Section 3. Relevant financial	activities outside the	submitted work.
of compensation) with entities as descr	ibed in the instructions. Us port relationships that we	nether you have financial relationships (regardless of amount se one line for each entity; add as many lines as you need by re <b>present during the 36 months prior to publication</b> .
Section 4. Intellectual Proper	rty Patents & Copyri	ghts
Do you have any patents, whether plan	ned, pending or issued, br	roadly relevant to the work? Yes V No

Sang 2



Section 5. Polationships not solvered above
Relationships not covered above
Are there other relationships or activities that readers could perceive to have influenced, or that give the appearance of potentially influencing, what you wrote in the submitted work?
Yes, the following relationships/conditions/circumstances are present (explain below):
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Disclosure Statement
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Dr. Sang has nothing to disclose.

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# 4. Intellectual Property.

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**Royalties:** Funds are coming in to you or your institution due to your patent

Jiang 1



Section 1. Identifying Inform	nation	
1. Given Name (First Name) Mi	2. Surname (Last Name) Jiang	3. Date 30-December-2020
4. Are you the corresponding author?	Yes ✓ No	Corresponding Author's Name Ruiming Rong
5. Manuscript Title Machine learning models to predict rec	d blood cell transfusion in p	patients undergoing mitral valve surgery
6. Manuscript Identifying Number (if you kr	now it)	
		-
Section 2. The Work Under C	onsideration for Public	cation
	g but not limited to grants, da	a third party (government, commercial, private foundation, etc.) for ita monitoring board, study design, manuscript preparation,
Section 3. Relevant financial	activities outside the s	submitted work.
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Section 4. Intellectual Proper	rty Patents & Copyric	yhts
Do you have any patents, whether plan	ned, pending or issued, br	oadly relevant to the work? Yes V No

Jiang 2



Section 5. Polationships not sovered above		
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Disclosure Statement		
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Yang 1



Section 1.	Identifying Inform	ation		
1. Given Name (Fir	rst Name)	2. Surname (Last Name) Yang		3. Date 30-December-2020
4. Are you the cor	responding author?	Yes ✓ No	Corresponding Author's Nam Ruiming Rong	ne
5. Manuscript Title Machine learning		blood cell transfusion in p	patients undergoing mitral v	valve surgery
6. Manuscript Ider	ntifying Number (if you kn	ow it)		
			_	
Section 2.	The Work Under Co	onsideration for Public	ation	
any aspect of the s statistical analysis,	ubmitted work (including	but not limited to grants, da	a third party (government, com ta monitoring board, study des	nmercial, private foundation, etc.) for ign, manuscript preparation,
Section 3.	Relevant financial	activities outside the s	ubmitted work.	
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Section 4.	Intellectual Proper	ty Patents & Copyrig	ıhts	
Do you have any	patents, whether planr	ned, pending or issued, br	oadly relevant to the work?	☐ Yes ✓ No

Yang 2



Section 5. Relationships not covered above		
helationships not covered above		
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Section 6. Disclosure Statement		
Disclosure Statement		
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Section 1. Identifying Inform	nation	
1. Given Name (First Name) Huan	2. Surname (Last Name) Liu	3. Date 30-December-2020
4. Are you the corresponding author?	Yes ✓ No	Corresponding Author's Name Ruiming Rong
5. Manuscript Title Machine learning models to predict rec	d blood cell transfusion in	patients undergoing mitral valve surgery
6. Manuscript Identifying Number (if you ki	now it)	
		_
Section 2. The Work Under C	onsideration for Publi	cation
	g but not limited to grants, d	n a third party (government, commercial, private foundation, etc.) for ata monitoring board, study design, manuscript preparation,
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Section 4. Intellectual Proper	rty Patents & Copyri	ghts
Do you have any patents, whether plan	ned, pending or issued, b	roadly relevant to the work? Yes No



Section 5.	
Section 5.	Relationships not covered above
	elationships or activities that readers could perceive to have influenced, or that give the appearance of encing, what you wrote in the submitted work?
Yes, the follo	wing relationships/conditions/circumstances are present (explain below):
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	anuscript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statements rnals may ask authors to disclose further information about reported relationships.
Section 6.	Disclosure Statement
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Dr. Liu has nothi	ing to disclose.

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Wei 1



Section 1.		
Identifying Inform	nation	
1. Given Name (First Name) Lai	2. Surname (Last Name) Wei	3. Date 30-December-2020
4. Are you the corresponding author?	✓ Yes No	
5. Manuscript Title Machine learning models to predict re	d blood cell transfusion in patients undergoing mitra	al valve surgery
6. Manuscript Identifying Number (if you k	znow it)	
Section 2. The Work Under C	Consideration for Publication	
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Section 3. Relevant financial	activities outside the submitted work.	
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Do you have any patents, whether plan	nned, pending or issued, broadly relevant to the wor	k? Yes 🗸 No

Wei 2



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Rong 1



Section 1.	14	adia u			
	Identifying Inform	ation			
1. Given Name (Fir Ruiming	st Name)	2. Surname (Las	t Name)		3. Date 11-November-2020
4. Are you the corr	esponding author?	<b>√</b> Yes	No		
5. Manuscript Title Machine learning		blood cell transf	usion in patients underg	going mitral v	valve surgery
6. Manuscript Iden	itifying Number (if you kn	ow it)			
Section 2.	The Work Under Co	onsideration fo	or Publication		
any aspect of the su statistical analysis, e	ubmitted work (including	but not limited to			mmercial, private foundation, etc.) for sign, manuscript preparation,
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Section 4.	Intellectual Proper	ty Paten <u>ts &amp;</u>	Copyrights		
			ssued, broadly relevant	to the work?	☐ Yes   ✓ No

Rong 2



Section 5.			
Section 5.	Relationships not covered above		
	elationships or activities that readers could perceive to have influenced, or that give the appearance of ncing, what you wrote in the submitted work?		
Yes, the follow	wing relationships/conditions/circumstances are present (explain below):		
✓ No other relat	No other relationships/conditions/circumstances that present a potential conflict of interest		
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Sections			
Section 6.	Disclosure Statement		
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