ICMJE DISCLOSURE FORM

Date:____9/26/2023_____

Your Name:___Nicholas Spies_____

Manuscript Title:__ Machine Learning Models Accurately Predict Parathyroid Hormone–Related Peptide

Results but Fail to Predict Physician Behavior_____

Manuscript number (if known):____ JLPM-23-9_____

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.

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	_X___None	

	in item #1 above).		
3	Royalties or licenses	__X__None	
4	Consulting fees	_X___None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	_X___None	
6	Payment for expert testimony	_X___None	
7	Support for attending meetings and/or travel	__X__None	
8	Patents planned, issued or pending	__X__None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	__X__None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	__X__None	
11	Stock or stock options	_X___None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	__X__None	
13	Other financial or non-financial interests	__X__None	

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

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

__X_ 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:_09/26/2023
Your Name:_Christopher W Farnswort
Manuscript Title:_Machine learning pipelines developed for the prediction of cancelation of inappropriate parathyroid hormone-related peptide orders demonstrate performance in predicting provider behavior
Manuscript number (if known):_ JLPM–23–9

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		Time frame: past 36 months	
2	Grants or contracts from any entity (if not indicated in item #1 above).	CDC BAA 75D301-20-R-68024	Roche
		CDC BAA 75D301-22-R-72097	Siemens
		Abbott Diagnostics	Beckman coulter
		Cepheid	Biomerieux
		Sebia	Binding Site
3	Royalties or licenses	__x__None	
4	Consulting fees	Cytovale	Werfen
		Siemens	Abbott
		Bio-Rad	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	Abbott	
		Werfen	
6	Payment for expert testimony	__x__None	
7	Support for attending meetings and/or travel	____None	ADLM support for travel to annual scientific meeting
8	Patents planned, issued or pending	____None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	__x__None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	__x__None	
11	Stock or stock options	__x__None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	_x___None	
13	Other financial or non-financial interests	_x___None	

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

I have received grant support, speaking honoraria, and travel support to scientific conferences for various topics in laboratory medicine, none of which pertain to the contents of this manuscript.

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

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form.

ICMJE DISCLOSURE FORM

Date:____9/26/2023_____

Your Name:___Ronald Jackups_____

Manuscript Title:__ Machine Learning Models Accurately Predict Parathyroid Hormone–Related Peptide

Results but Fail to Predict Physician Behavior_____

Manuscript number (if known):____ JLPM-23-9_____

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		Time frame: past 36 months	
2	Grants or contracts from any entity (if not indicated	_X___None	

	in item #1 above).		
3	Royalties or licenses	__X__None	
4	Consulting fees	_X___None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	_X___None	
6	Payment for expert testimony	_X___None	
7	Support for attending meetings and/or travel	__X__None	
8	Patents planned, issued or pending	__X__None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	__X__None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	__X__None	
11	Stock or stock options	_X___None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	__X__None	
13	Other financial or non-financial interests	__X__None	

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__X_ I certify that I have answered every question and have not altered the wording of any of the questions on this

questions on this

      form.

ICMJE DISCLOSURE FORM

Date:_09/26/2023
Your Name:_Mark A. Zaydman
Manuscript Title:_Machine learning pipelines developed for the prediction of cancelation of inappropriate parathyroid hormone-related peptide orders demonstrate performance in predicting provider behavior
Manuscript number (if known):_ JLPM–23–9

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colspan	**Time frame: past 36 months**		
2	Grants or contracts from	___None	BioMerieux – Grant for different predictive modeling

	any entity (if not indicated in item #1 above).		project
3	Royalties or licenses	__x__None	
4	Consulting fees	__x__None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	___None	ADLM – speaker honoraria on topics related to predictive analytics
			API – speaker honoraria related to ML algorithmic fairness
6	Payment for expert testimony	__x__None	
7	Support for attending meetings and/or travel	____None	ADLM support for travel to annual scientific meeting
			API support for travel to annual summit
8	Patents planned, issued or pending	____None	Patent regarding analysis of immunoassays
			Patent regarding analytical methods for anlayzing bacteria proteomes
			Planned patent for metabolic cage modeling software
9	Participation on a Data Safety Monitoring Board or Advisory Board	__x__None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	____None	ADLM data analytics steering committee member
11	Stock or stock options	__x__None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	_x___None	
13	Other financial or non-financial interests	_x___None	

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

I have received grant support, speaking honoraria, and travel support to scientific conferences for topic related to applied data analytics and machine learning in laboratory medicine. None of these pertain to the present project and manuscript.

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

__x_ I certify that I have answered every question and have not altered the wording of any of the questions on this
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