

From: Patrick Gladding (WDHB) Patrick.Gladding@waitematadhb.govt.nz
Subject: RE: Manuscript "Healthcare Pathway Discovery, Conformance, and Enrichment"
Date: 15 July 2019 at 10:25 AM
To: Andreas Kempa-Liehr a.kempa-liehr@auckland.ac.nz
Cc: Christina Lin clin364@aucklanduni.ac.nz

PG

Hi Andreas

This paper seems to cover just the surgical database and not cardiology. For that reason it is preferable for me to not be a co-author as I did not have any role in the surgical database. Hopefully that is actually easier for you in terms of submitting for publication.

Thanks
Patrick

From: Andreas Kempa-Liehr [<mailto:a.kempa-liehr@auckland.ac.nz>]
Sent: Monday, 15 July 2019 8:40 a.m.
To: Patrick Gladding (WDHB)
Cc: Christina Lin
Subject: Fwd: Manuscript "Healthcare Pathway Discovery, Conformance, and Enrichment"

Hi Patrick,

I hope this email finds you well.

We'd like to submit the manuscript this Thursday, and it would be great if you could give me your feedback if you'd accept your co-authorship for this paper.

Please let me know if you need more time for your decision.

All the best,
Andreas

Dr Andreas W. Kempa-Liehr
Senior Lecturer, Department of Engineering Science
Faculty of Engineering, University of Auckland, Private Bag 92019, Auckland 1142

Begin forwarded message:

From: "Andreas W. Kempa-Liehr" <andreas.liehr@fmf.uni-freiburg.de>
Subject: Manuscript "Healthcare Pathway Discovery, Conformance, and Enrichment"
Date: 26 June 2019 at 11:25:31 AM NZST
To: Randall Britten <r.britten@auckland.ac.nz>, "Delwyn Armstrong (WDHB)" <Delwyn.Armstrong@waitematadhb.govt.nz>, Jonathan.Wallace@waitematadhb.govt.nz, "Patrick Gladding (WDHB)" <Patrick.Gladding@waitematadhb.govt.nz>
Cc: Christina Lin <clin364@aucklanduni.ac.nz>, Michael O'Sullivan <michael.osullivan@auckland.ac.nz>

Dear all,

As always, time is running fast, and it's already three months since the PDH-Healthcare Pathways project has ended.

However, we've continued working on the project, have developed a novel machine learning model for predicting individual recovery times after appendicitis surgery and have summarised the pathway mining methodology and the machine learning model into a manuscript, which we are going to submit to the *International Journal of Medical Informatics*.

We'd love to hear your feedback, especially because our probabilistic machine model shows that recovery time depends for some pathways on the age of the patients, for other pathways it doesn't.

If you'd be able to comment on this finding or not, we'd appreciate it if you could indicate to me if you are happy with becoming a co-author of this paper. This is a requirement of the submission policy of the journal. If you do not want to become a co-author, we'd like to mention your contributions to this project in the acknowledgment anyway.

The second semester is approaching quickly, and we are intending to submit the manuscript by 15th July.

We are looking forward to your feedback.

All the best,
Andreas

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