



Authorship Contribution Form

(Must be Completed and Signed by ALL Authors)

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- Drafting the work or revising it critically for important intellectual content; AND
- Final approval of the version to be published; AND
- Agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

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- ☐ confirm that all listed authors meet the criteria above and all who meet the four criteria are identified as authors
- ☐ confirm that the manuscript has been read and approved by all named authors
- ☐ confirm that the order of authors listed in the manuscript has been approved by all named authors

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Name	Contribution (please refer to CrediT in Appendix)	Signature	Date
Maria Fusaro	Conceptualization, Validation, Formal Analysis, Writing - original draft, Project Administration		
Andrea Aghi	Methodology, Data Curation		
Carmela Marino	Resources		
Francesca Mallamaci	Writing - review & editing		
Mario Plebani	Resources		
Martina Zaninotto	Resources		
Maria Grano	Resources		
Silvia Colucci	Resources		
Maurizio Gallieni	Methodology, Writing - review & editing		
Thomas Nickolas	Validation		
Sandro Giannini	Validation		
Stefania Sella	Validation		
Paolo Simioni	Validation		
Alberto Bazzocchi	Investigation		
Giuseppe Guglielmi	Investigation		

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Name	Contribution (please refer to CrediT in Appendix)	Signature	Date
		<i>Francisco Melkman</i>	08/07/2024

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Andrea Aghi	Methodology, Data Curation	Andrea Aghi	18/7/24
Carmela Marino	Resources		
Francesca Mallamaci	Writing - review & editing		
Mario Plebani	Resources		
Martina Zaninotto	Resources		
Maria Grano	Resources		
Silvia Colucci	Resources		
Maurizio Gallieni	Methodology, Writing - review & editing		
Thomas Nickolas	Validation		
Sandro Giannini	Validation		
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Francesca Mallamaci	Writing - review & editing		
Mario Plebani	Resources		
Martina Zaninotti	Resources	M. Zaninotti	07-08-2024
Maria Grano	Resources	M. Grano	08/07/2024
Silvia Colucci	Resources	S. Colucci	08/07/2024
Maurizio Gallieri	Methodology, Writing - review & editing	M. Gallieri	9/7/2024
Thomas Nickola	Validation		9/9/24
Andrea Giannini	Validation		
Stefania Sella	Validation		
Paolo Simioni	Validation	P. Simioni	9/07/24
Berto Bazzocchi	Investigation		
Giuseppe Guglielmo	Investigation	G. Guglielmo	09/07/2024

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Francesca Ma	Writing - review & editing		
Mario Plebani	Resources		
Martina Zani	Resources		
Maria Grano	Resources		
Silvia Colucci	Resources		
Maurizio Gall	Methodology, Writing - review & editing		
Thomas Nick	Validation		
Sandro Giann	Validation		July 8, 2024
Stefania Sella	Validation		
Paolo Simioni	Validation		
Alberto Bazzo	Investigation		
Giuseppe Guc	Investigation		

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Sandro Giann	Validation		
Stefania Sella	Validation	<i>Stefania Sella</i>	08/07/2024
Paolo Simioni	Validation		
Alberto Bazzo	Investigation		
Giuseppe Gu	Investigation		

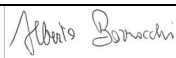
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Carmela Maria ⁺	Resources		
Francesca Ma ⁺	Writing - review & editing		
Mario Plebani ⁺	Resources	<i>M. Plebani</i>	07-08-24
Martina Zanin ⁺	Resources		
Maria Grano ⁺	Resources		
Silvia Colucci ⁺	Resources		
Maurizio Gallia ⁺	Methodology, Writing - review & editing		
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[illegible]

Appendix

Contributor Roles Taxonomy (CRediT)

Conceptualization	Ideas; formulation or evolution of overarching research goals and aims.
Data curation	Management activities to annotate (produce metadata), scrub data and maintain research data (including software code, where it is necessary for interpreting the data itself) for initial use and later re-use.
Formal analysis	Application of statistical, mathematical, computational, or other formal techniques to analyze or synthesize study data.
Funding acquisition	Acquisition of the financial support for the project leading to this publication.
Investigation	Conducting a research and investigation process, specifically performing the experiments, or data/evidence collection.
Methodology	Development or design of methodology; creation of models.
Project administration	Management and coordination responsibility for the research activity planning and execution.
Resources	Provision of study materials, reagents, materials, patients, laboratory samples, animals, instrumentation, computing resources, or other analysis tools.
Software	Programming, software development; designing computer programs; implementation of the computer code and supporting algorithms; testing of existing code components.
Supervision	Oversight and leadership responsibility for the research activity planning and execution, including mentorship external to the core team.
Validation	Verification, whether as a part of the activity or separate, of the overall replication/reproducibility of results/experiments and other research outputs.
Visualization	Preparation, creation and/or presentation of the published work, specifically visualization/data presentation.
Writing - original draft	Preparation, creation and/or presentation of the published work, specifically writing the initial draft (including substantive translation).
Writing - review & editing	Preparation, creation and/or presentation of the published work by those from the original research group, specifically critical review, commentary or revision – including pre- or post-publication stages.