

## ICMJE Form for Disclosure of Potential Conflicts of Interest

### Instructions

The purpose of this form is to provide readers of your manuscript with information about your other interests that could influence how they receive and understand your work. The form is designed to be completed electronically and stored electronically. It contains programming that allows appropriate data display. Each author should submit a separate form and is responsible for the accuracy and completeness of the submitted information. The form is in six parts.

#### 1. Identifying information.

#### 2. The work under consideration for publication.

This section asks for information about the work that you have submitted for publication. The time frame for this reporting is that of the work itself, from the initial conception and planning to the present. The requested information is about resources that you received, either directly or indirectly (via your institution), to enable you to complete the work. Checking "No" means that you did the work without receiving any financial support from any third party -- that is, the work was supported by funds from the same institution that pays your salary and that institution did not receive third-party funds with which to pay you. If you or your institution received funds from a third party to support the work, such as a government granting agency, charitable foundation or commercial sponsor, check "Yes".

#### 3. Relevant financial activities outside the submitted work.

This section asks about your financial relationships with entities in the bio-medical arena that could be perceived to influence, or that give the appearance of potentially influencing, what you wrote in the submitted work. You should disclose interactions with ANY entity that could be considered broadly relevant to the work. For example, if your article is about testing an epidermal growth factor receptor (EGFR) antagonist in lung cancer, you should report all associations with entities pursuing diagnostic or therapeutic strategies in cancer in general, not just in the area of EGFR or lung cancer.

Report all sources of revenue paid (or promised to be paid) directly to you or your institution on your behalf over the 36 months prior to submission of the work. This should include all monies from sources with relevance to the submitted work, not just monies from the entity that sponsored the research. Please note that your interactions with the work's sponsor that are outside the submitted work should also be listed here. If there is any question, it is usually better to disclose a relationship than not to do so.

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#### 4. Intellectual Property.

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

#### 5. Relationships not covered above.

Use this section to report 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.

#### Definitions.

**Entity:** government agency, foundation, commercial sponsor, academic institution, etc.

**Grant:** A grant from an entity, generally [but not always] paid to your organization

**Personal Fees:** Monies paid to you for services rendered, generally honoraria, royalties, or fees for consulting, lectures, speakers bureaus, expert testimony, employment, or other affiliations

**Non-Financial Support:** Examples include drugs/equipment supplied by the entity, travel paid by the entity, writing assistance, administrative support, etc.

**Other:** Anything not covered under the previous three boxes

**Pending:** The patent has been filed but not issued

**Issued:** The patent has been issued by the agency

**Licensed:** The patent has been licensed to an entity, whether earning royalties or not

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

## ICMJE Form for Disclosure of Potential Conflicts of Interest

### Section 1. Identifying Information

1. Given Name (First Name) Stefano	2. Surname (Last Name) Brianza	3. Date 24-January-2020
4. Are you the corresponding author? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Corresponding Author's Name PD Dr. med. Dirk Wähnert
5. Manuscript Title Variable Fixation technology provides rigid as well as progressive dynamic fixation: a biomechanical investigation.		
6. Manuscript Identifying Number (if you know it) JBJS-D-19-01302R1		

### Section 2. The Work Under Consideration for Publication

Did you or your institution **at any time** receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)?

Are there any relevant conflicts of interest?  Yes  No

### Section 3. Relevant financial activities outside the submitted work.

Place a check in the appropriate boxes in the table to indicate whether you have financial relationships (regardless of amount of compensation) with entities as described in the instructions. Use one line for each entity; add as many lines as you need by clicking the "Add +" box. You should report relationships that were **present during the 36 months prior to publication**.

Are there any relevant conflicts of interest?  Yes  No

If yes, please fill out the appropriate information below.

Name of Entity	Grant?	Personal Fees?	Non-Financial Support?	Other?	Comments
Biomech Innovations AG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stefano Brianza is the owner of Biomech Innovations AG, the company that has developed the new locking technology. Biomech Innovations AG has sponsored this investigation with about 11'500\$ (10'000 EUR).

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### Section 4. Intellectual Property -- Patents & Copyrights

Do you have any patents, whether planned, pending or issued, broadly relevant to the work?  Yes  No

### Section 5. 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):

No other relationships/conditions/circumstances that present a potential conflict of interest

Stefano Brianza is the inventor of this new technology. Biomech Innovations AG is the owner of this technology. Biomech Innovations AG sponsored this study. The study has been performed by an independent third party without Biomech Innovations supervision. Data have been retrieved and analysed by the independent party. Biomech Innovations reviewed the manuscript and checked that the information provided to readers is supported by evidence only and is in line with the product information for use

At the time of manuscript acceptance, journals will ask authors to confirm and, if necessary, update their disclosure statements. On occasion, journals may ask authors to disclose further information about reported relationships.

### Section 6. Disclosure Statement

Based on the above disclosures, this form will automatically generate a disclosure statement, which will appear in the box below.

Dr. Brianza reports other from Biomech Innovations AG, outside the submitted work; and Stefano Brianza is the inventor of this technology. Biomech Innovations AG is the owner of this technology. Biomech Innovations AG sponsored this study. The study has been performed by an independent third party without Biomech Innovations supervision. Data have been retrieved and analysed by the independent party. Biomech Innovations reviewed the manuscript and checked that the information provided to readers is supported by evidence only and is in line with the product information for use.

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## ICMJE Form for Disclosure of Potential Conflicts of Interest

### Section 1. Identifying Information

1. Given Name (First Name)  
Andre

2. Surname (Last Name)  
Frank

3. Date  
24-January-2020

4. Are you the corresponding author?  Yes  No  
Corresponding Author's Name  
PD Dr. med. Dirk Wähnert

5. Manuscript Title  
Variable Fixation technology provides rigid as well as progressive dynamic fixation: a biomechanical investigation.

6. Manuscript Identifying Number (if you know it)  
JBJS-D-19-01302R1

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Did you or your institution **at any time** receive payment or services from a third party (government, commercial, private foundation, etc.) for any aspect of the submitted work (including but not limited to grants, data monitoring board, study design, manuscript preparation, statistical analysis, etc.)?

Are there any relevant conflicts of interest?  Yes  No

If yes, please fill out the appropriate information below. If you have more than one entity press the "ADD" button to add a row. Excess rows can be removed by pressing the "X" button.

Name of Institution/Company	Grant?	Personal Fees?	Non-Financial Support?	Other?	Comments
Biomech Innovations AG	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Biomech Innovations AG sponsored this investigation with about 11'500\$ (10'000 EUR).

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Do you have any patents, whether planned, pending or issued, broadly relevant to the work?  Yes  No

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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?

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Mr. Frank reports grants from Biomech Innovations AG, during the conduct of the study; .

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## ICMJE Form for Disclosure of Potential Conflicts of Interest

### Section 1. Identifying Information

1. Given Name (First Name) Michael

2. Surname (Last Name) Plecko

3. Date 24-January-2020

4. Are you the corresponding author?  Yes  No  
Corresponding Author's Name PD Dr. med. Dirk Wähnert

5. Manuscript Title  
Variable Fixation technology provides rigid as well as progressive dynamic fixation: a biomechanical investigation.

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Are there any relevant conflicts of interest?  Yes  No

If yes, please fill out the appropriate information below. If you have more than one entity press the "ADD" button to add a row. Excess rows can be removed by pressing the "X" button.

Name of Institution/Company	Grant?	Personal Fees?	Non-Financial Support?	Other?	Comments
Biomech Innovations AG	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dr. Plecko is part of Biomech Innovations AG scientific advisory board. He provides this service free of charges.

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Dr. Plecko reports other from Biomech Innovations AG, during the conduct of the study; .

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1. Given Name (First Name) Michael J.

2. Surname (Last Name) Raschke

3. Date 24-January-2020

4. Are you the corresponding author?  Yes  No  
Corresponding Author's Name PD Dr. med. Dirk Wähnert

5. Manuscript Title  
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### Section 1. Identifying Information

1. Given Name (First Name)  
Dirk

2. Surname (Last Name)  
Wähnert

3. Date  
24-January-2020

4. Are you the corresponding author?  Yes  No

5. Manuscript Title  
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If yes, please fill out the appropriate information below.

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Biomech Innovations AG	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Biomech Innovations pays Dr. Wähnert to review quality documentation that concerns clinical applications. Dr. Wähnert is part of Biomech Innovations scientific board and provides this service free of charge.

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### Section 4. Intellectual Property -- Patents & Copyrights

Do you have any patents, whether planned, pending or issued, broadly relevant to the work?  Yes  No

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Dr. Wähnert reports personal fees and other from Biomech Innovations AG, outside the submitted work; .

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