| Date: | 9/10/2024 |
|-------------------------------|--|
| Your Name: | Andrew Amis |
| Manuscript Title: | Hemiarthroplasty in young patients: Evaluation of glenoid wear on metal and ceramic implants in-vitro |
| Manuscript Number (if known): | BJJ-2024-0432.R2 |

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.

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The author's relationships/activities/interests should be defined broadly. 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.

| | | 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 plannin | g of the work |
| 1 | All support for the present | | |
| | manuscript (e.g., funding, provision of study materials, | The Wellcome Trust funded the project to build the shoulder wear simulator | Paid as a grant to Imperial College |
| | medical writing, article processing charges, etc.) No time limit for this item. | | Click the tab key to add additional rows. |
| | | Time frame: past 36 mon | hs |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | ⊠ None | |

| | | 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) |
|---|---|--|---|
| 3 | Royalties or licenses | ☑ None | |
| 4 | Consulting fees | ☑ None | |
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | None | |
| 6 | Payment for expert testimony | ⊠ None | |
| 7 | Support for attending meetings and/or travel | ⊠ None | |
| 8 | Patents planned, issued or pending | ⊠ None | |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | ⊠ None | |
| 10 Leadership or fiduciary role in other board, Image: Comparison of the second secon | | | |

| | | | ties with whom you have this or indicate none (add rows as needed) | Specifications/Comments (e.g., if payments were made to you or to your institution) |
|------|---|--------|---|---|
| | society, committee or advocacy group, paid or unpaid | | | |
| 11 | Stock or stock options | ⊠ None | | |
| 12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services | ⊠ None | | |
| 13 | Other financial or non-financial interests | None | | |
| Plea | Please place an "X" next to the following statement to indicate your agreement: | | | |

| Date: | 7/3/2024 |
|-------------------------------|---|
| Your Name: | Anthony M J Bull |
| Manuscript Title: | Hemiarthroplasty in young patients: Evaluation of glenoid wear on metal and ceramic implants in-vitro |
| Manuscript Number (if known): | BJJ-2024-0432.R2 S&E |

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.

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| | | | e all entities with whom you have this ionship 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 | |
| 1 | All support for the present manuscript (e.g., funding, provision of study materials, medical writing, | | None | Click the tab key to add additional rows. |
| | article processing charges, etc.) No time limit for this item. | | | |
| | | I | Time frame: past 36 month | S |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | | None | |

| | | 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) |
|---|---|--|---|
| 3 | Royalties or licenses | ☑ None | |
| 4 | Consulting fees | ☑ None | |
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | None | |
| 6 | Payment for expert testimony | ⊠ None | |
| 7 | Support for attending meetings and/or travel | ⊠ None | |
| 8 | Patents planned, issued or pending | ⊠ None | |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | ⊠ None | |
| 10 Leadership or fiduciary role in other board, Image: Comparison of the second secon | | | |

| | | Iame all entities with whom you have thisSpecifications/Comments (e.g., if payments wereelationship or indicate none (add rows as needed)made to you or to your institution) | |
|------|---|--|--|
| | society, committee or advocacy group, paid or unpaid | | |
| 11 | Stock or stock options | ☑ None ☑ □ ☑ □ ☑ □ ☑ □ | |
| 12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services | ☑ None □ □ □ □ □ □ | |
| 13 | Other financial or non-financial interests | None | |
| Plea | Please place an "X" next to the following statement to indicate your agreement: | | |

12th Jules 624 Date: ER EMERY Your Name: **Manuscript** Title: Manuscript Number (if BJJ - 2024 - 0432. 122 known):

Click or tap here to enter text. Hemiarthoplasty an young pate

Click or tap to enter a date.

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.

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| | | Name all entities with whom you have this Specifications/Comments (e.g., if relationship or indicate none (add rows as needed) 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 | Nome Wellcome Trust Grant paid for wear simulator | |
| | study materials, medical writing, article processing charges, etc.) No time limit for this item. | and they have been by the second | |
| | | Time frame: past 36 months | |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | □ None See above | |
| 3 | Royalties or | | |
| 2 | licenses | None | |
| | | | |
| 4 | Consulting fees | Done ESTUN ROBOTICS. | |
| | | DE SOUTTER MEDICAL | |
| | | | |

| 5 Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | Line and the second sec | |
|---|--|---|
| 6 Payment for expert testimony | L None | |
| 7 Support for attending meetings and/or travel | Home VES SECEC. cover registration fees ad nortation to social ever | A |
| 8 Patents planned, issued or pending | None | |
| 9 Participation on a Data Safety Monitoring Board or Advisory Board | None | |
| 10 Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid | □ None YES. Past President of SECEC. | |
| 11 Stock or stock options | IL None | |
| 12 Receipt of equipment, materials, drugs, medical writing, gifts or other services | □ None | |
| 13 Other financial or non-financial interests | None | |

1

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

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

1 8/26/2021 ICMJE Disclosure Form

Roger J. H. Emerg - 12.7.2024

| Date: | 9/8/2024 |
|-------------------------------|--|
| Your Name: | Ulrich Hansen |
| Manuscript Title: | Hemiarthroplasty in young patients: Evaluation of glenoid wear on metal and ceramic implants in-vitro |
| Manuscript Number (if known): | BJJ-2024-0432.R2 |

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.

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 author's relationships/activities/interests should be defined broadly. 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.

| | | 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. | None Orthopaedic manufacturer Mathys LTd Orthopaedic Research UK (ORUK, ref: 539) | Provided implants for the project Provided running cost for the project, equipment building, micro-CT scanning, MRI scanning, lab consumables etc Click the tab key to add additional rows. |
| | Time frame: past 36 months | | S |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | None Wellcome Trust Translational Award 098269/Z/12/Z | In a previous project, the Wellcome Trust provided the funding for the development of the shoulder wear simulator that was also used in the project related to this manuscript. |

| | | 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) |
|----|---|--|---|
| 3 | Royalties or licenses | ☑ None | |
| 4 | Consulting fees | ☑ None | |
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | None | |
| 6 | Payment for expert testimony | ⊠ None | |
| 7 | Support for attending meetings and/or travel | ⊠ None | |
| 8 | Patents planned, issued or pending | ⊠ None | |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | ⊠ None | |
| 10 | Leadership or fiduciary role in other board, | ⊠ None | |

| | | 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) | |
|------|---|--|---|--|
| | society, committee or advocacy group, paid or unpaid | | | |
| 11 | Stock or stock options | ☑ None | | |
| 12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services | None As mentioned in item 1 | | |
| 13 | Other financial or non-financial interests | ⊠ None | | |
| Plea | Please place an "X" next to the following statement to indicate your agreement: | | | |

| Date: | 7/14/2024 |
|-------------------------------|---|
| Your Name: | Christian H. Heinrichs |
| Manuscript Title: | Hemiarthroplasty in young patients: Evaluation of glenoid wear on metal and ceramic implants in-vitro |
| Manuscript Number (if known): | BJJ-2024-0432.R2 |

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.

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The author's relationships/activities/interests should be defined broadly. 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.

| | | 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, | The cost of the implants was funded by Mathys Ltd. Bettlach | | | | |
| | medical writing, article processing charges, etc.) No time limit for this item. | | Click the tab key to add additional rows. | | | |
| | | Time frame: past 36 month | IS | | | |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | ⊠ None | | | | |

| | | 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) |
|----|---|--|---|
| 3 | Royalties or licenses | ☑ None | |
| 4 | Consulting fees | ☑ None | |
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | None | |
| 6 | Payment for expert testimony | ⊠ None | |
| 7 | Support for attending meetings and/or travel | ⊠ None | |
| 8 | Patents planned, issued or pending | ⊠ None | |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | ⊠ None | |
| 10 | Leadership or fiduciary role in other board, | ⊠ None | |

| | | Iame all entities with whom you have thisSpecifications/Comments (e.g., if payments wereelationship or indicate none (add rows as needed)made to you or to your institution) | |
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| | society, committee or advocacy group, paid or unpaid | | |
| 11 | Stock or stock options | ☑ None ☑ □ ☑ □ ☑ □ | |
| 12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services | ☑ None □ □ □ □ □ □ | |
| 13 | Other financial or non-financial interests | None | |
| Plea | Please place an "X" next to the following statement to indicate your agreement: | | |

| Date: | 9/9/2024 |
|-------------------------------|--|
| Your Name: | Hazimah Mahmud |
| Manuscript Title: | Hemiarthroplasty in young patients: evaluation of glenoid wear on metal and ceramic implants in vitro |
| Manuscript Number (if known): | BJJ-2024-0432.R2 |

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.

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The author's relationships/activities/interests should be defined broadly. 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.

| | | 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 o | of the work |
| 1 | All support for the present | | |
| | manuscript (e.g., | Brunei UBD Chancellor's PhD Scholarship | Funding for my PhD |
| | funding, provision of study materials, | | Click the tab key to add additional rows. |
| | medical writing, article processing | | |
| | charges, etc.) No time limit for | | |
| | this item. | | |
| | | Time frame: past 36 months | S |
| 2 | Grants or contracts from | ⊠ None | |
| | any entity (if not | | |
| | indicated in item #1 above). | | |
| | , | | |

| | | 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) |
|----|---|--|---|
| 3 | Royalties or licenses | ☑ None | |
| 4 | Consulting fees | ☑ None | |
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | None | |
| 6 | Payment for expert testimony | ⊠ None | |
| 7 | Support for attending meetings and/or travel | ⊠ None | |
| 8 | Patents planned, issued or pending | ⊠ None | |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | ⊠ None | |
| 10 | Leadership or fiduciary role in other board, | ⊠ None | |

| | - | ame all entities with whom you have this Specifications/Comments (e.g., if payments were lationship or indicate none (add rows as needed) made to you or to your institution) | e |
|------|---|---|---|
| | society, committee or advocacy group, paid or unpaid | | |
| 11 | Stock or stock options | None | |
| 12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services | None | |
| 13 | Other financial or non-financial interests | None | |
| Plea | Please place an "X" next to the following statement to indicate your agreement: | | |

| Date: | 7/11/2024 | |
|-------------------------------|---|--|
| Your Name: | Peter Reilly | |
| Manuscript Title: | Hemiarthroplasty in young patients: Evaluation of glenoid wear on metal and ceramic implants in-vitro | |
| Manuscript Number (if known): | B.J.J-2024-0432 R2 S&F | |

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.

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| | | e all entities with whom you have this ionship 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. | None | Click the tab key to add additional rows. |
| | | Time frame: past 36 month | S |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | None | |

| | | anne all entities with whom you have this Specifications/Comment Stationship or indicate none (add rows as needed) made to you or to your i | ts (e.g., if payments were nstitution) |
|----|---|--|--|
| 3 | Royalties or licenses | None | |
| 4 | Consulting fees | None | |
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | S None | |
| 6 | Payment for expert testimony | None | |
| 7 | Support for attending meetings and/or travel | None | |
| 8 | Patents planned, issued or pending | None | |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | None | |
| 10 | Leadership or fiduciary role in other board, | ☑ None | |

| | | Iame all entities with whom you have thisSpecifications/Comments (e.g., if payments wereelationship or indicate none (add rows as needed)made to you or to your institution) |
|---|---|--|
| | society, committee or advocacy group, paid or unpaid | |
| 11 | Stock or stock options | None |
| 12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services | ☑ None □ □ □ □ □ □ |
| 13 | Other financial or non-financial interests | None |
| Please place an "X" next to the following statement to indicate your agreement: | | |

| Date: | 7/12/2024 |
|-------------------------------|--|
| Your Name: | Andra Ioana Topan-Rat |
| Manuscript Title: | Hemiarthroplasty in young patients: Evaluation of glenoid wear on metal and ceramic implants in-vitro |
| Manuscript Number (if known): | BJJ-2024-0432.R2 |

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.

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The author's relationships/activities/interests should be defined broadly. 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.

| ľ | | e all entities with whom you have this ionship 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 | None | Click the tab key to add additional rows. |
| | this item. | Time frame: past 36 month | s |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | None | |

| | | 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) |
|----|---|--|---|
| 3 | Royalties or licenses | ☑ None | |
| 4 | Consulting fees | ⊠ None | |
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | None | |
| 6 | Payment for expert testimony | ⊠ None | |
| 7 | Support for attending meetings and/or travel | ⊠ None | |
| 8 | Patents planned, issued or pending | ⊠ None | |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | ⊠ None | |
| 10 | Leadership or fiduciary role in other board, | ⊠ None | |

| | | Iame all entities with whom you have thisSpecifications/Comments (e.g., if payments wereelationship or indicate none (add rows as needed)made to you or to your institution) | |
|-----------|---|--|--|
| | society, committee or advocacy group, paid or unpaid | | |
| 11 | Stock or stock options | ☑ None ☑ □ ☑ □ ☑ □ ☑ □ | |
| 12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services | ☑ None □ □ □ □ □ □ | |
| 13 | Other financial or non-financial interests | None | |
| Plea × | Please place an "X" next to the following statement to indicate your agreement: | | |

| Date: | 9/9/2024 |
|-------------------------------|---|
| Your Name: | DONG WANG |
| Manuscript Title: | Hemiarthroplasty in young patients: Evaluation of glenoid wear on metal and ceramic implants in-vitro |
| Manuscript Number (if known): | BJJ-2024-0432.R2 |

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.

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The author's relationships/activities/interests should be defined broadly. 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.

| | | e all entities with whom you have this ionship 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 o | |
| 1 | All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing | None | Click the tab key to add additional rows. |
| | charges, etc.) No time limit for this item. | Time frame: past 36 months | S |
| 2 | Grants or contracts from any entity (if not indicated in item #1 above). | None | |

| | | 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) |
|----|---|--|---|
| 3 | Royalties or licenses | None | |
| 4 | Consulting fees | None Imperial College London | I served as a research consultant for this project. |
| 5 | Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events | None | |
| 6 | Payment for expert testimony | ☑ None | |
| 7 | Support for attending meetings and/or travel | None | |
| 8 | Patents planned, issued or pending | None | |
| 9 | Participation on a Data Safety Monitoring Board or Advisory Board | ⊠ None | |
| 10 | Leadership or fiduciary role in other board, | ⊠ None | |

| | | Iame all entities with whom you have thisSpecifications/Comments (e.g., if payments wereelationship or indicate none (add rows as needed)made to you or to your institution) |
|---|---|--|
| | society, committee or advocacy group, paid or unpaid | |
| 11 | Stock or stock options | ☑ None ☑ ☑ ☑ ☑ ☑ ☑ |
| 12 | Receipt of equipment, materials, drugs, medical writing, gifts or other services | ☑ None □ □ □ □ □ □ |
| 13 | Other financial or non-financial interests | None |
| Please place an "X" next to the following statement to indicate your agreement: | | |