



Consent form

**You are invited to participate in a research study entitled: The METR:IQ Study: Assessing the quality of emergency medicine and critical care blogs**

**Researcher(s):**

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**Purpose(s) and Objective(s) of the Research:**

- This study will assess the evaluation of blog posts on emergency medicine and critical care topics to determine how medical students, emergency medicine residents, and emergency medicine attendings can best evaluate these resources.

**Procedures:**

- Participation in the study will require you to evaluate 15 blog posts on emergency medicine and critical care topics using your gestalt and previously developed evaluation tools. It is anticipated that completion of all of the evaluations will take approximately 4 hours. Participants will be given the opportunity to stop and restart the survey at a later time / date following the evaluation of each of the 15 blog posts. Participants will have a one month period to evaluate all 15 blog posts.
- Please feel free to ask the study authors any questions regarding the procedures and goals of the study or your role.

**Funded by:**

- This research project has not received any funding.

**Potential Risks:**

- There are no known or anticipated risks to you by participating in this research.

### **Potential Benefits:**

- Individual participants may benefit through increased knowledge of the topics discussed in the 15 blog posts and a greater understanding of how blog posts can be evaluated.
- Participants who rank all of the websites will have their contribution acknowledged as a 'Contributor' to the study on the <http://metriqstudy.org> website and in any publications resulting from this research
- The results of this study will provide validity evidence for the use of the available blog post evaluation tools by medical students, emergency medicine residents, and emergency medicine attendings. It is anticipated that this will guide the quality evaluation of online resources such as blogs both within this field and other areas of medical education.

### **Confidentiality:**

- Identifiable information (e.g. participant demographics) will be initially be stored securely on the Fluid Surveys website. Following the extraction of this data identifying information will be dissociated from the rest of the data and stored on password-protected, encrypted computer files on a USB key held in a locked filing cabinet.
- All data will be presented in aggregate.
- All data will be deleted 5 years after the completion of the study.

### **Right to Withdraw:**

- Your participation is voluntary and you can answer only those questions that you are comfortable with. You may withdraw from the research project for any reason, at any time without explanation or penalty of any sort.
- Whether you choose to participate or not will have no effect on your position [e.g. employment, class standing, access to services] or how you will be treated.
- Participants may withdraw from the study prior to the analysis of the data. After this time, it is possible that some form of research dissemination will have already occurred. Should you wish to withdraw before this date, your data will be deleted.

### **Follow up:**

- To obtain results from the study, please return to the <http://metriqstudy.org> website. Information on research presentations and journal publications of the results will be maintained there.

### **Questions or Concerns:**

- Contact the researcher(s) using the information at the top of page 1;
- This research project has been deemed exempt from the need for ethical approval by the University of Saskatchewan Research Ethics Board. Any questions regarding your rights as a participant may be addressed to that committee through the Research Ethics Office [ethics.office@usask.ca](mailto:ethics.office@usask.ca) 1 (306) 966-2975. Out of town participants may call toll free 1 (888) 966-2975.

### **Consent Form**

- A copy of this consent form can be downloaded from the following link (please click on the link or paste it into your browser's address bar):

<https://www.dropbox.com/s/i75cq8h8dxecb8r/The%20METRIQ%20Study%20Consent%20Form.pdf?dl=0>

# Consent

Entering your signature below indicates that you have read and understand the description provided, have had an opportunity to ask questions, and those questions have been answered to your satisfaction. You consent to participate in the research project.

---

Clear

What is your gender?

- Male
- Female
- Other

What is your age?

- 18-24
- 25-34
- 35-44
- 45-54
- 55-64
- 65 or Above

Are you currently a:

- Medical student
- Postgraduate or resident physician
- Consultant or attending physician

How often do you read blog posts on medical topics for educational purposes?

- Everyday
- Several times a week
- Once a week

- Several times a month
- Once a month
- Less than once a month
- Never

Please indicate the country in which you predominantly live, train, and study/work:

- Afghanistan
- Albania
- Algeria
- Andorra
- Angola
- Antarctica
- Antigua and Barbuda
- Argentina
- Armenia
- Australia
- Austria
- Azerbaijan
- Bahamas
- Bahrain
- Bangladesh
- Barbados
- Belarus

- Belgium
- Belize
- Benin
- Bermuda
- Bhutan
- Bolivia
- Bosnia and Herzegovina
- Botswana
- Brazil
- Brunei
- Bulgaria
- Burkina Faso
- Burma
- Burundi
- Cambodia
- Cameroon
- Canada
- Cape Verde
- Central African Republic
- Chad
- Chile
- China
- Colombia

- Comoros
- Congo, Democratic Republic
- Congo, Republic of the
- Costa Rica
- Cote d'Ivoire
- Croatia
- Cuba
- Cyprus
- Czech Republic
- Denmark
- Djibouti
- Dominica
- Dominican Republic
- East Timor
- Ecuador
- Egypt
- El Salvador
- Equatorial Guinea
- Eritrea
- Estonia
- Ethiopia
- Fiji
- Finland

- France
- Gabon
- Gambia
- Georgia
- Germany
- Ghana
- Greece
- Greenland
- Grenada
- Guatemala
- Guinea
- Guinea-Bissau
- Guyana
- Haiti
- Honduras
- Hong Kong
- Hungary
- Iceland
- India
- Indonesia
- Iran
- Iraq
- Ireland

- Israel
- Italy
- Jamaica
- Japan
- Jordan
- Kazakhstan
- Kenya
- Kiribati
- Korea, North
- Korea, South
- Kuwait
- Kyrgyzstan
- Laos
- Latvia
- Lebanon
- Lesotho
- Liberia
- Libya
- Liechtenstein
- Lithuania
- Luxembourg
- Macedonia
- Madagascar

- Malawi
- Malaysia
- Maldives
- Mali
- Malta
- Marshall Islands
- Mauritania
- Mauritius
- Mexico
- Micronesia
- Moldova
- Mongolia
- Morocco
- Monaco
- Montenegro
- Mozambique
- Namibia
- Nauru
- Nepal
- Netherlands
- New Zealand
- Nicaragua
- Niger

- Nigeria
- Norway
- Oman
- Pakistan
- Panama
- Papua New Guinea
- Paraguay
- Peru
- Philippines
- Poland
- Portugal
- Qatar
- Romania
- Russia
- Rwanda
- Samoa
- San Marino
- Sao Tome
- Saudi Arabia
- Senegal
- Serbia
- Seychelles
- Sierra Leone

- Singapore
- Slovakia
- Slovenia
- Solomon Islands
- Somalia
- South Africa
- Spain
- Sri Lanka
- Sudan
- Suriname
- Swaziland
- Sweden
- Switzerland
- Syria
- Taiwan
- Tajikistan
- Tanzania
- Thailand
- Togo
- Tonga
- Trinidad and Tobago
- Tunisia
- Turkey

- Turkmenistan
- Uganda
- Ukraine
- United Arab Emirates
- United Kingdom
- United States
- Uruguay
- Uzbekistan
- Vanuatu
- Venezuela
- Vietnam
- Yemen
- Zambia
- Zimbabwe

Upon completion of the rating, would you like to be recognized as a collaborator on the <http://METRIQStudy.org> website and in the publications resulting from this research?

Yes  No

## Instructional Video

The following video outlines some key points about gestalt scoring and the METRIQ-8 Score which will be used to evaluate the 5 blog posts in this section.

## Blog Post 1

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

<http://samplelink.com>

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:  
"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### The METRIQ-8 Score

	Yes	No	Unsure
Concise content - Does the resource contain an appropriate amount of information for its length?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the processes (e.g. editorial, peer review, evaluation, etc) that were used to create the resource outlined?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No	Unsure
References - Does the resource cite its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Editorial Process - Is there an editorial process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consistency with citations - Are the resource's statements consistent with its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Background - Does the resource provide enough background information to situate the learner in the context of prior knowledge?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderation - Are interactions between learners moderated effectively to ensure professional conduct?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publisher - Is it clear who published the resource?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Blog Post 2

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### The METRIQ-8 Score

	Yes	No	Unsure
Concise content - Does the resource contain an appropriate amount of information for its length?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the processes (e.g. editorial, peer review, evaluation, etc) that were used to create the resource outlined?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No	Unsure
References - Does the resource cite its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Editorial Process - Is there an editorial process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consistency with citations - Are the resource's statements consistent with its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Background - Does the resource provide enough background information to situate the learner in the context of prior knowledge?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderation - Are interactions between learners moderated effectively to ensure professional conduct?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publisher - Is it clear who published the resource?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Blog Post 3

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### The METRIQ-8 Score

	Yes	No	Unsure
Concise content - Does the resource contain an appropriate amount of information for its length?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the processes (e.g. editorial, peer review, evaluation, etc) that were used to create the resource outlined?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No	Unsure
References - Does the resource cite its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Editorial Process - Is there an editorial process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consistency with citations - Are the resource's statements consistent with its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Background - Does the resource provide enough background information to situate the learner in the context of prior knowledge?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderation - Are interactions between learners moderated effectively to ensure professional conduct?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publisher - Is it clear who published the resource?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Blog Post 4

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### The METRIQ-8 Score

	Yes	No	Unsure
Concise content - Does the resource contain an appropriate amount of information for its length?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the processes (e.g. editorial, peer review, evaluation, etc) that were used to create the resource outlined?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No	Unsure
References - Does the resource cite its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Editorial Process - Is there an editorial process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consistency with citations - Are the resource's statements consistent with its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Background - Does the resource provide enough background information to situate the learner in the context of prior knowledge?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderation - Are interactions between learners moderated effectively to ensure professional conduct?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publisher - Is it clear who published the resource?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Blog Post 5

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### The METRIQ-8 Score

	Yes	No	Unsure
Concise content - Does the resource contain an appropriate amount of information for its length?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the processes (e.g. editorial, peer review, evaluation, etc) that were used to create the resource outlined?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No	Unsure
References - Does the resource cite its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Editorial Process - Is there an editorial process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consistency with citations - Are the resource's statements consistent with its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Background - Does the resource provide enough background information to situate the learner in the context of prior knowledge?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderation - Are interactions between learners moderated effectively to ensure professional conduct?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Publisher - Is it clear who published the resource?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Evaluation of the METRIQ-8 Score

Thank you for completing the evaluations of the blogs. The final component of this section is a usability analysis of the METRIQ-8 Score

Please indicate the extent to which you agree or disagree with the following statement:  
"The METRIQ-8 Score was easy to use"

- Strongly agree
- Agree
- Agree somewhat
- Neutral
- Disagree somewhat
- Disagree
- Strongly disagree

Why?

Type here

Please indicate the extent to which you agree or disagree with the following statement: "I would recommend The METRIQ-8 Score for the evaluation of blog posts"

- Strongly agree
- Agree
- Agree somewhat

- Neutral
- Disagree somewhat
- Disagree
- Strongly disagree

Why?

Type here

If you felt that any of the items within The METRIQ-8 Score were unclear, please indicate this by selecting them below.

- Concise content - Does the resource contain an appropriate amount of information for its length?
- Are the processes (e.g. editorial, peer review, evaluation, etc) that were used to create the resource outlined?
- References - Does the resource cite its references?
- Editorial Process - Is there an editorial process?
- Consistency with citations - Are the resource's statements consistent with its references?
- Background - Does the resource provide enough background information to situate the learner in the context of prior knowledge?
- Moderation - Are interactions between learners moderated effectively to ensure professional conduct?
- Publisher - Is it clear who published the resource?

## Instructional Video

The following video outlines some key points about gestalt scoring and the ALiEM AIR Score which will be used to evaluate the 5 blog posts in this section.

## Blog Post 6

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### ALiEM AIR Score

1) Assuming that the results of this blog post are valid, how much does this article impact on EM clinical practice?

- Useless information
- Not really interesting, not really new, changes nothing
- Interesting and new, but doesn't change practice

- Interesting and new, has the potential to change practice
- New and important: this would probably change practice for some emergency physicians
- New and important: this would change practice for most emergency physicians
- This is a "must know" for emergency physicians

2) Do you have any concerns about the accuracy of the data presented or conclusions of this blog post?

- Yes, many concerns from many inaccuracies
- Yes, a major concern about few inaccuracies
- Minimal concerns over minor inaccuracies
- No concerns over inaccuracies

3) Are there useful educational pearls in this blog post for residents?

- Low value: no valuable pearls
- Yes, but there are only a few (1-2) valuable or multiple (>2) less valuable educational pearls
- Yes there are several (>2) valuable educational pearls, or a few (1-2) KEY educational pearls that every resident should know before graduating
- Yes, there are multiple KEY educational pearls that residents should know before graduating

4) Does this blog post reflect evidence based medicine (EBM) and thus lack bias?

- Not EBM based, only expert opinion
- Minimally EBM based
- Mostly EBM based
- Yes, exclusively EBM based (unbiased)

5) Are the authors and literature clearly cited?

- No
- Yes, authors and general references are listed (but no in-line references)
- Yes, authors and in-line references are provided

## Blog Post 7

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### ALiEM AIR Score

1) Assuming that the results of this blog post are valid, how much does this article impact on EM clinical practice?

- Useless information
- Not really interesting, not really new, changes nothing
- Interesting and new, but doesn't change practice

- Interesting and new, has the potential to change practice
- New and important: this would probably change practice for some emergency physicians
- New and important: this would change practice for most emergency physicians
- This is a "must know" for emergency physicians

2) Do you have any concerns about the accuracy of the data presented or conclusions of this blog post?

- Yes, many concerns from many inaccuracies
- Yes, a major concern about few inaccuracies
- Minimal concerns over minor inaccuracies
- No concerns over inaccuracies

3) Are there useful educational pearls in this blog post for residents?

- Low value: no valuable pearls
- Yes, but there are only a few (1-2) valuable or multiple (>2) less valuable educational pearls
- Yes there are several (>2) valuable educational pearls, or a few (1-2) KEY educational pearls that every resident should know before graduating
- Yes, there are multiple KEY educational pearls that residents should know before graduating

4) Does this blog post reflect evidence based medicine (EBM) and thus lack bias?

- Not EBM based, only expert opinion
- Minimally EBM based
- Mostly EBM based
- Yes, exclusively EBM based (unbiased)

5) Are the authors and literature clearly cited?

- No
- Yes, authors and general references are listed (but no in-line references)
- Yes, authors and in-line references are provided

## Blog Post 8

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### ALiEM AIR Score

1) Assuming that the results of this blog post are valid, how much does this article impact on EM clinical practice?

- Useless information
- Not really interesting, not really new, changes nothing
- Interesting and new, but doesn't change practice

- Interesting and new, has the potential to change practice
- New and important: this would probably change practice for some emergency physicians
- New and important: this would change practice for most emergency physicians
- This is a "must know" for emergency physicians

2) Do you have any concerns about the accuracy of the data presented or conclusions of this blog post?

- Yes, many concerns from many inaccuracies
- Yes, a major concern about few inaccuracies
- Minimal concerns over minor inaccuracies
- No concerns over inaccuracies

3) Are there useful educational pearls in this blog post for residents?

- Low value: no valuable pearls
- Yes, but there are only a few (1-2) valuable or multiple (>2) less valuable educational pearls
- Yes there are several (>2) valuable educational pearls, or a few (1-2) KEY educational pearls that every resident should know before graduating
- Yes, there are multiple KEY educational pearls that residents should know before graduating

4) Does this blog post reflect evidence based medicine (EBM) and thus lack bias?

- Not EBM based, only expert opinion
- Minimally EBM based
- Mostly EBM based
- Yes, exclusively EBM based (unbiased)

5) Are the authors and literature clearly cited?

- No
- Yes, authors and general references are listed (but no in-line references)
- Yes, authors and in-line references are provided

## Blog Post 9

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### ALiEM AIR Score

1) Assuming that the results of this blog post are valid, how much does this article impact on EM clinical practice?

- Useless information
- Not really interesting, not really new, changes nothing
- Interesting and new, but doesn't change practice

- Interesting and new, has the potential to change practice
- New and important: this would probably change practice for some emergency physicians
- New and important: this would change practice for most emergency physicians
- This is a "must know" for emergency physicians

2) Do you have any concerns about the accuracy of the data presented or conclusions of this blog post?

- Yes, many concerns from many inaccuracies
- Yes, a major concern about few inaccuracies
- Minimal concerns over minor inaccuracies
- No concerns over inaccuracies

3) Are there useful educational pearls in this blog post for residents?

- Low value: no valuable pearls
- Yes, but there are only a few (1-2) valuable or multiple (>2) less valuable educational pearls
- Yes there are several (>2) valuable educational pearls, or a few (1-2) KEY educational pearls that every resident should know before graduating
- Yes, there are multiple KEY educational pearls that residents should know before graduating

4) Does this blog post reflect evidence based medicine (EBM) and thus lack bias?

- Not EBM based, only expert opinion
- Minimally EBM based
- Mostly EBM based
- Yes, exclusively EBM based (unbiased)

5) Are the authors and literature clearly cited?

- No
- Yes, authors and general references are listed (but no in-line references)
- Yes, authors and in-line references are provided

## Blog Post 10

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### ALiEM AIR Score

1) Assuming that the results of this blog post are valid, how much does this article impact on EM clinical practice?

- Useless information
- Not really interesting, not really new, changes nothing
- Interesting and new, but doesn't change practice

- Interesting and new, has the potential to change practice
- New and important: this would probably change practice for some emergency physicians
- New and important: this would change practice for most emergency physicians
- This is a "must know" for emergency physicians

2) Do you have any concerns about the accuracy of the data presented or conclusions of this blog post?

- Yes, many concerns from many inaccuracies
- Yes, a major concern about few inaccuracies
- Minimal concerns over minor inaccuracies
- No concerns over inaccuracies

3) Are there useful educational pearls in this blog post for residents?

- Low value: no valuable pearls
- Yes, but there are only a few (1-2) valuable or multiple (>2) less valuable educational pearls
- Yes there are several (>2) valuable educational pearls, or a few (1-2) KEY educational pearls that every resident should know before graduating
- Yes, there are multiple KEY educational pearls that residents should know before graduating

4) Does this blog post reflect evidence based medicine (EBM) and thus lack bias?

- Not EBM based, only expert opinion
- Minimally EBM based
- Mostly EBM based
- Yes, exclusively EBM based (unbiased)

5) Are the authors and literature clearly cited?

- No
- Yes, authors and general references are listed (but no in-line references)
- Yes, authors and in-line references are provided

## Evaluation of the ALiEM AIR Score

Thank you for completing the evaluations of the blogs. The final component of this study is a usability analysis of the ALiEM AIR Score.

Please indicate the extent to which you agree or disagree with the following statement:  
"The ALiEM AIR Tool was easy to use"

- Strongly agree
- Agree
- Agree somewhat
- Neutral
- Disagree somewhat
- Disagree
- Strongly disagree

Why?

Type here

Please indicate the extent to which you agree or disagree with the following statement: " I would recommend The ALiEM AIR Score for the evaluation of blog posts."

- Strongly agree
- Agree
- Agree somewhat

- Neutral
- Disagree somewhat
- Disagree
- Strongly disagree

Why?

Type here

If you felt that any of the items contained within the ALiEM AIR Score were unclear, please indicate this by selecting them below.

- 1) Assuming that the results of this blog post are valid, how much does this article impact on EM clinical practice? (Useless information / Not really interesting, not really new, changes nothing / Interesting and new, but doesn't change practice / Interesting and new, has the potential to change practice / New and important: this would probably change practice for some emergency physicians / New and important: this would change practice for most emergency physicians / This is a "must know" for emergency physicians)
- 2) Do you have any concerns about the accuracy of the data presented or conclusions of this blog post? (Yes, many concerns from many inaccuracies / Yes, a major concern about few inaccuracies / Minimal concerns over minor inaccuracies / No concerns over inaccuracies)
- 3) Are there useful educational pearls in this blog post for residents? (Low value: no valuable pearls / Yes, but there are only a few (1-2) valuable or multiple (>2) less valuable educational pearls / Yes, there are several (>2) valuable educational pearls, or a few (1-2) KEY educational pearls that every resident should know before graduating / Yes, there are multiple KEY educational pearls that residents should know before graduating)
- 4) Does this blog post reflect evidence based medicine (EBM) and thus lack bias? (Not EBM based, only expert opinion / Minimally EBM based / Mostly EBM based / Yes, exclusively EBM based (unbiased))
- 5) Are the authors and literature clearly cited? (No / Yes, authors and general references are listed (but no in-line references) / Yes, authors and in-line references are provided)



## Instructional Video

In the final section you will be asked to rate each of the 5 blog posts using gestalt, the METRIQ-8 Score, and the ALiEM AIR Score. The videos shown prior to the previous sections are available below. **Please view them if you would like a refresher on any of the instruments.** Thanks again for participating in the METRIQ Study.

Review the Gestalt Score and the METRIQ-8 Score

Review the Gestalt Score and the ALiEM AIR Score



## Blog Post 11

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### ALiEM AIR Score

1) Assuming that the results of this blog post are valid, how much does this article impact on EM clinical practice?

- Useless information
- Not really interesting, not really new, changes nothing
- Interesting and new, but doesn't change practice

- Interesting and new, has the potential to change practice
- New and important: this would probably change practice for some emergency physicians
- New and important: this would change practice for most emergency physicians
- This is a "must know" for emergency physicians

2) Do you have any concerns about the accuracy of the data presented or conclusions of this blog post?

- Yes, many concerns from many inaccuracies
- Yes, a major concern about few inaccuracies
- Minimal concerns over minor inaccuracies
- No concerns over inaccuracies

3) Are there useful educational pearls in this blog post for residents?

- Low value: no valuable pearls
- Yes, but there are only a few (1-2) valuable or multiple (>2) less valuable educational pearls
- Yes there are several (>2) valuable educational pearls, or a few (1-2) KEY educational pearls that every resident should know before graduating
- Yes, there are multiple KEY educational pearls that residents should know before graduating

4) Does this blog post reflect evidence based medicine (EBM) and thus lack bias?

- Not EBM based, only expert opinion
- Minimally EBM based
- Mostly EBM based
- Yes, exclusively EBM based (unbiased)

5) Are the authors and literature clearly cited?

- No
- Yes, authors and general references are listed (but no in-line references)
- Yes, authors and in-line references are provided

### The METRIQ-8 Score

	Yes	No	Unsure
Concise content - Does the resource contain an appropriate amount of information for its length?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the processes (e.g. editorial, peer review, evaluation, etc) that were used to create the resource outlined?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
References - Does the resource cite its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Editorial Process - Is there an editorial process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consistency with citations - Are the resource's statements consistent with its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Background - Does the resource provide enough background information to situate the learner in the context of prior knowledge?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderation - Are interactions between learners moderated effectively to ensure professional conduct?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Yes

No

Unsure

Publisher - Is it clear who published the resource?

## Blog Post 12

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### ALiEM AIR Score

1) Assuming that the results of this blog post are valid, how much does this article impact on EM clinical practice?

- Useless information
- Not really interesting, not really new, changes nothing
- Interesting and new, but doesn't change practice

- Interesting and new, has the potential to change practice
- New and important: this would probably change practice for some emergency physicians
- New and important: this would change practice for most emergency physicians
- This is a "must know" for emergency physicians

2) Do you have any concerns about the accuracy of the data presented or conclusions of this blog post?

- Yes, many concerns from many inaccuracies
- Yes, a major concern about few inaccuracies
- Minimal concerns over minor inaccuracies
- No concerns over inaccuracies

3) Are there useful educational pearls in this blog post for residents?

- Low value: no valuable pearls
- Yes, but there are only a few (1-2) valuable or multiple (>2) less valuable educational pearls
- Yes there are several (>2) valuable educational pearls, or a few (1-2) KEY educational pearls that every resident should know before graduating
- Yes, there are multiple KEY educational pearls that residents should know before graduating

4) Does this blog post reflect evidence based medicine (EBM) and thus lack bias?

- Not EBM based, only expert opinion
- Minimally EBM based
- Mostly EBM based
- Yes, exclusively EBM based (unbiased)

5) Are the authors and literature clearly cited?

- No
- Yes, authors and general references are listed (but no in-line references)
- Yes, authors and in-line references are provided

### The METRIQ-8 Score

	Yes	No	Unsure
Concise content - Does the resource contain an appropriate amount of information for its length?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the processes (e.g. editorial, peer review, evaluation, etc) that were used to create the resource outlined?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
References - Does the resource cite its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Editorial Process - Is there an editorial process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consistency with citations - Are the resource's statements consistent with its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Background - Does the resource provide enough background information to situate the learner in the context of prior knowledge?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderation - Are interactions between learners moderated effectively to ensure professional conduct?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Yes

No

Unsure

Publisher - Is it clear who published the resource?

## Blog Post 13

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### ALiEM AIR Score

1) Assuming that the results of this blog post are valid, how much does this article impact on EM clinical practice?

- Useless information
- Not really interesting, not really new, changes nothing
- Interesting and new, but doesn't change practice

- Interesting and new, has the potential to change practice
- New and important: this would probably change practice for some emergency physicians
- New and important: this would change practice for most emergency physicians
- This is a "must know" for emergency physicians

2) Do you have any concerns about the accuracy of the data presented or conclusions of this blog post?

- Yes, many concerns from many inaccuracies
- Yes, a major concern about few inaccuracies
- Minimal concerns over minor inaccuracies
- No concerns over inaccuracies

3) Are there useful educational pearls in this blog post for residents?

- Low value: no valuable pearls
- Yes, but there are only a few (1-2) valuable or multiple (>2) less valuable educational pearls
- Yes there are several (>2) valuable educational pearls, or a few (1-2) KEY educational pearls that every resident should know before graduating
- Yes, there are multiple KEY educational pearls that residents should know before graduating

4) Does this blog post reflect evidence based medicine (EBM) and thus lack bias?

- Not EBM based, only expert opinion
- Minimally EBM based
- Mostly EBM based
- Yes, exclusively EBM based (unbiased)

5) Are the authors and literature clearly cited?

- No
- Yes, authors and general references are listed (but no in-line references)
- Yes, authors and in-line references are provided

### The METRIQ-8 Score

	Yes	No	Unsure
Concise content - Does the resource contain an appropriate amount of information for its length?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the processes (e.g. editorial, peer review, evaluation, etc) that were used to create the resource outlined?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
References - Does the resource cite its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Editorial Process - Is there an editorial process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consistency with citations - Are the resource's statements consistent with its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Background - Does the resource provide enough background information to situate the learner in the context of prior knowledge?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderation - Are interactions between learners moderated effectively to ensure professional conduct?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Yes

No

Unsure

Publisher - Is it clear who published the resource?

## Blog Post 14

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### ALiEM AIR Score

1) Assuming that the results of this blog post are valid, how much does this article impact on EM clinical practice?

- Useless information
- Not really interesting, not really new, changes nothing
- Interesting and new, but doesn't change practice

- Interesting and new, has the potential to change practice
- New and important: this would probably change practice for some emergency physicians
- New and important: this would change practice for most emergency physicians
- This is a "must know" for emergency physicians

2) Do you have any concerns about the accuracy of the data presented or conclusions of this blog post?

- Yes, many concerns from many inaccuracies
- Yes, a major concern about few inaccuracies
- Minimal concerns over minor inaccuracies
- No concerns over inaccuracies

3) Are there useful educational pearls in this blog post for residents?

- Low value: no valuable pearls
- Yes, but there are only a few (1-2) valuable or multiple (>2) less valuable educational pearls
- Yes there are several (>2) valuable educational pearls, or a few (1-2) KEY educational pearls that every resident should know before graduating
- Yes, there are multiple KEY educational pearls that residents should know before graduating

4) Does this blog post reflect evidence based medicine (EBM) and thus lack bias?

- Not EBM based, only expert opinion
- Minimally EBM based
- Mostly EBM based
- Yes, exclusively EBM based (unbiased)

5) Are the authors and literature clearly cited?

- No
- Yes, authors and general references are listed (but no in-line references)
- Yes, authors and in-line references are provided

### The METRIQ-8 Score

	Yes	No	Unsure
Concise content - Does the resource contain an appropriate amount of information for its length?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the processes (e.g. editorial, peer review, evaluation, etc) that were used to create the resource outlined?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
References - Does the resource cite its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Editorial Process - Is there an editorial process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consistency with citations - Are the resource's statements consistent with its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Background - Does the resource provide enough background information to situate the learner in the context of prior knowledge?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderation - Are interactions between learners moderated effectively to ensure professional conduct?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Yes

No

Unsure

Publisher - Is it clear who published the resource?

## Blog Post 15

The blog post that will be evaluated on this page can be found here (please click on the link or copy and paste it in your browser's address bar):

[insert link]

Please review the blog and blog post and evaluate it by responding to the following questions.

### Gestalt evaluation

Please indicate the extent to which you agree or disagree with the following statement:

"This blog post was of high quality"

- Strongly Agree
- Agree
- Agree somewhat
- Undecided
- Disagree somewhat
- Disagree
- Strongly disagree

### ALiEM AIR Score

1) Assuming that the results of this blog post are valid, how much does this article impact on EM clinical practice?

- Useless information
- Not really interesting, not really new, changes nothing
- Interesting and new, but doesn't change practice

- Interesting and new, has the potential to change practice
- New and important: this would probably change practice for some emergency physicians
- New and important: this would change practice for most emergency physicians
- This is a "must know" for emergency physicians

2) Do you have any concerns about the accuracy of the data presented or conclusions of this blog post?

- Yes, many concerns from many inaccuracies
- Yes, a major concern about few inaccuracies
- Minimal concerns over minor inaccuracies
- No concerns over inaccuracies

3) Are there useful educational pearls in this blog post for residents?

- Low value: no valuable pearls
- Yes, but there are only a few (1-2) valuable or multiple (>2) less valuable educational pearls
- Yes there are several (>2) valuable educational pearls, or a few (1-2) KEY educational pearls that every resident should know before graduating
- Yes, there are multiple KEY educational pearls that residents should know before graduating

4) Does this blog post reflect evidence based medicine (EBM) and thus lack bias?

- Not EBM based, only expert opinion
- Minimally EBM based
- Mostly EBM based
- Yes, exclusively EBM based (unbiased)

5) Are the authors and literature clearly cited?

- No
- Yes, authors and general references are listed (but no in-line references)
- Yes, authors and in-line references are provided

### The METRIQ-8 Score

	Yes	No	Unsure
Concise content - Does the resource contain an appropriate amount of information for its length?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Are the processes (e.g. editorial, peer review, evaluation, etc) that were used to create the resource outlined?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
References - Does the resource cite its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Editorial Process - Is there an editorial process?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consistency with citations - Are the resource's statements consistent with its references?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Background - Does the resource provide enough background information to situate the learner in the context of prior knowledge?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moderation - Are interactions between learners moderated effectively to ensure professional conduct?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Yes

No

Unsure

Publisher - Is it clear who published the resource?

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You may save your responses, leave the survey, and return to where you left off **at any time** by selecting the "Save and continue later" button at the bottom of each page.

