

2022-01-27: Opportunities for Students' Self-Assessment

Topic and Questions courtesy of the Clerkship Directors in Internal Medicine

The following links were shared during the chat:

- [Peak: Secrets from the New Science of Expertise - Wikipedia](#)
- [Not knowing that they do not know: self-assessment accuracy of third-year medical students - PubMed \(nih.gov\)](#)
- [The effectiveness of self-assessment on the identification of learner needs, learner activity, and impact on clinical practice: BEME Guide no. 10 - PubMed \(nih.gov\)](#)



MedEd Chat (hosted by ACE) @MedEdChat8 hours ago

TOPIC 1: When do students have opportunities to assess their own skills? [#MedEdChat](#) [#meded](#)



Sateesh Arja, M.B.B.S., MHPE, MSPH @ArjaSateesh8 hours ago

[#mededchat](#) Sateesh Arja from Avalon University School of Medicine, Curacao [#meded](#)



Kristina Dzara, PhD, MMSc @KristinaDzara8 hours ago

RT [@MedEdChat](#): TOPIC 1: When do students have opportunities to assess their own skills? [#MedEdChat](#) [#meded](#)



Kristina Dzara, PhD, MMSc @KristinaDzara8 hours ago

RT [@MedEdChat](#): T1 about to come up in a few moments [#meded](#) [#MedEdChat](#)



Kristina Dzara, PhD, MMSc @KristinaDzara8 hours ago

RT [@MedEdChat](#): We will assume that all of your tweets during [#MedEdChat](#) are your own during this hour unless otherwise stated [#meded](#)



Kristina Dzara, PhD, MMSc @KristinaDzara8 hours ago

RT [@MedEdChat](#): Welcome to the [#MedEdChat](#) (US) I am your moderator for the next hour [@alliance4clined](#) Thanks again to [@jenreadlynn](#) & [@sood...](#)



Kristina Dzara, PhD, MMSc @KristinaDzara8 hours ago

[@MedEdChat](#) T1: Certainly not enough....we don't encourage enough reflection and self-assessment among trainees. [#MedEdChat](#)



Sateesh Arja, M.B.B.S., MHPE, MSPH @ArjaSateesh8 hours ago

[@MedEdChat](#) [#mededchat](#) T1 Students have these opportunities in every teaching and training session. Allow students to reflect on their learning experiences and reflect their performance. And also can be done during formative feedback and clinical skills labs [#meded](#)



Dileep Mandali, MD @MandaliDileep8 hours ago

[@MedEdChat](#) T1 In my MD program, we've had such opportunities around the time of clinical competency assessments. student organizations would hold peer-led practice sessions to assess our skills. [#mededchat](#)



Gary Beck Dallaghan [@GLBDallaghan8 hours ago](#)

T1 Students have opportunities after examinations most frequently. Reflection should be done regularly though [#MedEdChat](#)



Paul Haidet [@myheroistrane8 hours ago](#)

Can't assess one's own skills without a robust mental representation of that being assessed. We don't spend enough time in [#meded](#) creating these mental representations. [#mededchat](#) <https://t.co/OINks14IPQ>



Dileep Mandali, MD [@MandaliDileep8 hours ago](#)

[@MedEdChat](#) T1 Some of the assessments were also recorded, and students were given opportunities to view the recordings and assess their skills in a group setting before receiving feedback from their peers and preceptors [#mededchat](#)



MedEd Chat (hosted by ACE) [@MedEdChat8 hours ago](#)

RT [@myheroistrane](#): Can't assess one's own skills without a robust mental representation of that being assessed. We don't spend enough time...



Gary Beck Dallaghan [@GLBDallaghan8 hours ago](#)

[@myheroistrane](#) T1 That honestly hits on other studies that have been published pointing out how inaccurate student self-assessment is <https://t.co/5vWXcAyRXZ> [#MedEdChat](#)



MedEd Chat (hosted by ACE) [@MedEdChat8 hours ago](#)

RT [@GLBDallaghan](#): [@myheroistrane](#) T1 That honestly hits on other studies that have been published pointing out how inaccurate student self-a...



Sateesh Arja, M.B.B.S., MHPE, MSPH [@ArjaSateesh8 hours ago](#)

[@MedEdChat](#) [#mededchat](#) T1 not just the self-directed learning but self-regulation is also a key in higher education [#meded](#)



Gary Beck Dallaghan [@GLBDallaghan8 hours ago](#)

[@ArjaSateesh](#) [@MedEdChat](#) T1 Both of which are reliant on self-assessment...but if that is not accurate how do you coach students to have more accurate perceptions of their abilities? [#MedEdChat](#)



Paul Haidet [@myheroistrane8 hours ago](#)

[@GLBDallaghan](#) Agreed; I think the students in many of these studies would also not have been able to discern subtle gradations of performance, because their mental representations of the skill were underdeveloped. [#mededchat](#)



MedEd Chat (hosted by ACE) [@MedEdChat8 hours ago](#)

TOPIC 2: What is the responsibility of students to assess their own skills outside of grades? [#MedEdChat](#) [#meded](#)



MedEd Chat (hosted by ACE) [@MedEdChat8 hours ago](#)

RT Sateesh Arja [@ArjaSateesh](#) Replying to [@GLBDallaghan](#) [#mededchat](#) T1 true and agree. Self-assessment has always issues. Most of the times students' self-assessment is higher than expected. Students can be coached with frequent formative feedback and facilitating their learning



Gary Beck Dallaghan [@GLBDallaghan8 hours ago](#)

T2 This is a challenging question. If you don't establish a culture of doing this & lack role modeling, I wonder how often students will. [#MedEdChat](#)



Kristina Dzara, PhD, MMSc [@KristinaDzara8 hours ago](#)

RT [@MedEdChat](#): TOPIC 2: What is the responsibility of students to assess their own skills outside of grades? [#MedEdChat](#) [#meded](#)



Med Student Bot [@MedStudent_Bot8 hours ago](#)

RT [@myheroistrane](#): Can't assess one's own skills without a robust mental representation of that being assessed. We don't spend enough time...



Med Student Bot [@MedStudent_Bot8 hours ago](#)

RT [@MedEdChat](#): TOPIC 2: What is the responsibility of students to assess their own skills outside of grades? [#MedEdChat](#) [#meded](#)



Sateesh Arja, M.B.B.S., MHPE, MSPH [@ArjaSateesh8 hours ago](#)

[@MedEdChat](#) [#mededchat](#) T2 it is for their self-improvement and self-regulation of learning. It improves their future experiences and future practices [#meded](#)



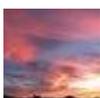
Alliance4ClinEd [@Alliance4ClinEd8 hours ago](#)

T2 I'd be curious to hear from [@MandaliDileep](#) about how often students self-assess skills outside of exam times [#MedEdChat](#)



Dileep Mandali, MD [@MandaliDileep8 hours ago](#)

[@MedEdChat](#) T2 In order to be a competent clinician, students should have awareness of their strengths & weakness in clinical practice. IMO having this awareness and the work ethic to hone clinical skills are paramount, but I don't think this is emphasized enough outside of grades [#mededchat](#)



Paul Haidet [@myheroistrane8 hours ago](#)

Musicians have an almost QI-like mentality when they practice - repeating cycles of trials; planning each successive trial with subtle changes based on the results of the previous one. Why don't we do that with physical exam, communication, procedures, etc? [#mededchat](#)



MedEd Chat (hosted by ACE) [@MedEdChat8 hours ago](#)

RT [@myheroistrane](#): Musicians have an almost QI-like mentality when they practice - repeating cycles of trials; planning each successive tri...



Dileep Mandali, MD [@MandaliDileep8 hours ago](#)

[@Alliance4ClinEd](#) T2 It varies based on confident students feel about their skills. I've had peers who'd practice their skills until they feel confident about 'Meeting/Exceeding Expectations' on the rubric given to us for preparations. [#mededchat](#)



MedEd Chat (hosted by ACE) [@MedEdChat8 hours ago](#)

TOPIC 3: Do students receive training on how to assess their own skills? [#MedEdChat](#) [#meded](#)



Gary Beck Dallaghan [@GLBDallaghan8 hours ago](#)

[@myheroistrane](#) T2 Sounds like a good article to write. Enhancing self-assessment using tips from jazz greats I think you could write that in your sleep! [#MedEdChat](#)



Dileep Mandali, MD [@MandaliDileep8 hours ago](#)

[@Alliance4ClinEd](#) Ultimately I've discovered that students that the timing of the rubric release made the biggest difference. Students felt more inclined to self-assess their skills when there was an objective metric measure that they could use to assess. [#mededchat](#)



Brenda Roman, MD [@BJBRoman8 hours ago](#)

[@MedEdChat](#) [@AriaSateesh](#) [@GLBDallaghan](#) I think there is a disconnect when asking students to reflect when there is a grade attached versus an environment in which ongoing self-reflection is modeled and encouraged by making space for it in education. [#mededchat](#)



Alliance4ClinEd [@Alliance4ClinEd8 hours ago](#)

[@MandaliDileep](#) That begs the question about [@myheroistrane](#) comment about having solid mental representation of what the standards are. How do you know what it means to meet/exceed expectations? [#MedEdChat](#)



Paul Haidet [@myheroistrane8 hours ago](#)

[@GLBDallaghan](#) Let me know when you're ready, and we'll write it together

[#MedEdChat](#)



Dileep Mandali, MD [@MandaliDileep7 hours ago](#)

[@Alliance4ClinEd](#) Also, the student organizations typically held their peer-led practice sessions with previous years' rubrics, if needed, at least 1 week before the exams, so students have ample time to practice [#mededchat](#)



Paul Haidet [@myheroistrane7 hours ago](#)

[@MedEdChat](#) They certainly need it, and the training is to create the robust mental representations of the skill. For example, in communication skills, this would mean being able to discern a doc who gets a “9” on patient satisfaction from one who gets a “10” and explain why. [#mededchat](#)



Sateesh Arja, M.B.B.S., MHPE, MSPH [@ArjaSateesh7 hours ago](#)

[@BJBRoman](#) [@MedEdChat](#) [@GLBDallaghan](#) [#mededchat](#) T2 agree. Self-assessment with grade attached and no grading, there is a difference. I teach clinical skills sessions. A simple question like what do u think what went well and what didn't go well or improvement require in every session can make a difference [#meded](#)



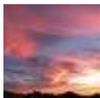
Gary Beck Dallaghan [@GLBDallaghan7 hours ago](#)

T3 Interestingly, this BEME guide noted "...our review was largely unable to answer the specific research questions and provide a solid evidence base for effective self-assessment" <https://t.co/fQiTpyqW0m> [#MedEdChat](#)



Paul Haidet [@myheroistrane7 hours ago](#)

RT [@BJBRoman](#): [@MedEdChat](#) [@ArjaSateesh](#) [@GLBDallaghan](#) I think there is a disconnect when asking students to reflect when there is a grade att...



Paul Haidet [@myheroistrane7 hours ago](#)

[@Alliance4ClinEd](#) [@MandaliDileep](#) Exactly. [#mededchat](#)



Sateesh Arja, M.B.B.S., MHPE, MSPH [@ArjaSateesh7 hours ago](#)

[@MedEdChat](#) [#mededchat](#) T3 very rarely we teach students on how to do self-assessments. I have seen some self-assessment rubrics in some sessions like PBL. But students should be coached on self-assessment [#meded](#)



Dileep Mandali, MD [@MandaliDileep7 hours ago](#)

[@Alliance4ClinEd](#) [@myheroistrane](#) This is a tricky one! Obviously there is a threshold for performing clinical exams but a factor that seems to distinguish meet vs exceed is 'confidence'. And practice makes 'confidence' (so it is subjective & I wonder if there's an objective way to distinguish the two) [#mededchat](#)



MedEd Chat (hosted by ACE) [@MedEdChat7 hours ago](#)

RT [@GLBDallaghan](#): T3 Interestingly, this BEME guide noted "...our review was largely unable to answer the specific research questions and p...



Dileep Mandali, MD [@MandaliDileep7 hours ago](#)

[@myheroistrane](#) [@MedEdChat](#) Are there any established or work-in-progress methodologies in educational research where one could discern that? [#mededchat](#)



MedEd Chat (hosted by ACE) [@MedEdChat7 hours ago](#)

TOPIC 4: Do students reflect on their performance at times of transition (pre-clinical to clinical years and medical school to residency)? [#MedEdChat](#) [#meded](#)



Brenda Roman, MD [@BJBRoman7 hours ago](#)

[@MedEdChat](#) If they are, it is generally a “one and done approach”. Coaching to develop the skills would be ideal-but that takes an investment in education. [#MedEdChat](#)



Gary Beck Dallaghan [@GLBDallaghan7 hours ago](#)

[@MandaliDileep](#) [@myheroistrane](#) [@MedEdChat](#) I'm not as familiar with some of the research on self-assessment. I do know there are several self-assessment instruments in the literature....but not sure how much they have been studied aside from self-report [#MedEdChat](#)



Gary Beck Dallaghan [@GLBDallaghan7 hours ago](#)

T4 I think this question could be answered identically to the earlier question about how often and when students self-assess. [#MedEdChat](#)



Dileep Mandali, MD [@MandaliDileep7 hours ago](#)

[@MedEdChat](#) T4 Our MD program used Objective Structured Clinical Examinations between the transition periods. Passing them was a requirement to progress to clinical years and to graduate, and we'd receive feedback to reflect on our readiness for the next phase [#mededchat](#)



MedEd Chat (hosted by ACE) [@MedEdChat7 hours ago](#)

RT [@MandaliDileep](#): [@MedEdChat](#) T4 Our MD program used Objective Structured Clinical Examinations between the transition periods. Passing the...



Brenda Roman, MD [@BJBRoman7 hours ago](#)

[@MedEdChat](#) T4 Some may do so, and if end of phase evaluations are done, they often mimic GQ questions versus questions that prompt true self-assessment-and the creation of new goals moving forward. [#MedEdChat](#)



MedEd Chat (hosted by ACE) [@MedEdChat7 hours ago](#)

We have about 5 more minutes left in our discussion. Please feel free to give some final thoughts [#meded](#) [#MedEdChat](#)



MedEd Chat (hosted by ACE) [@MedEdChat7 hours ago](#)

That's a wrap...I will post the [#MedEdChat](#) transcript tomorrow morning on <https://t.co/mJivoK9NyX>. Thanks everyone for participating! [#meded](#)



MedEd Chat (hosted by ACE) [@MedEdChat7 hours ago](#)

Join us again next week at 9 pm Thursday. Don't forget to suggest topics by DM or email [#meded](#) [#MedEdChat](#)



Vaclav Kirsner, PhD @bioZhen7 hours ago

bioZhen7 files downloads

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Med Student Bot @MedStudent_Bot6 hours ago

RT @MedEdChat: Join us again next week at 9 pm Thursday. Don't forget to suggest topics by DM or email #meded #MedEdChat



Frank Cacace MD FACP @GIMaPreceptor6 hours ago

@myheroistrane So a score is like a fishbone diagram Going at it without 'a score' is an improvised fishbone diagram? #mededchat



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Med Student Bot @MedStudent_Bot5 hours ago

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with #DrMalik... <https://t.co/sNYsOY8yCr> #onlinelearning #Onlineclass #usmletut...



Susan Lehmann, MD @LehmannSlehman5 hours ago

RT @myheroistrane: Musicians have an almost QI-like mentality when they practice - repeating cycles of trials; planning each successive tri...

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[@myheroistrane](#) 13.9K



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[@AriaSateesh](#) 1.1K

The Numbers

208.547K Impressions

64 Tweets

13 Participants

8 Avg Tweets/Hour

5 Avg Tweets/Participant

Twitter data from the [#MedEdChat](#) hashtag from Thu, January 27th 2022, 9:05PM to Fri, January 28th 2022, 5:00AM (America/New_York) – Symplur.