

Audience Response Options in Radiology at DHMC

We currently have 3 audience response options available for you in Radiology, all of which have their pros and cons. It may be that you want to just use one, or may use different ones for different purposes. I have tried to summarize these pros and cons below, but if you have a specific project in mind, please come and discuss it with me to help identify which to use. The residents are used to all of them but need to be warned to bring devices.

- 1) TurningPoint clickers
- 2) Nearpod
- 3) RSNA Diagnosis Live

I have also included another web based system PollEverywhere if you wish to try it, we do not have an account with them but they have a free limited version.

	Turning Point	Nearpod	RSNA Diagnosis Live	PollEverywhere
Input device	Clickers (we have 30)	Smart Phones, ipads, laptops	Smart Phones, ipads, laptops	Smart Phones, ipads, laptops
Software/App	Turning Point 5 download here	Web based for question input here Nearpod Apps all devices for learners	Web based for question input here Web based for learners	Teachers: Web based for question input Learners (3 options, can use any during a session): <ul style="list-style-type: none"> • Poll Everywhere app for all devices • Web based at pollev.com • SMS texting answers

Registration	None needed	Ask petra for department account or make free (limited) personal one	Ask Petra for instructor registration	Free account (limited to 25 participants per session) Premium (pay monthly for additional features)
Question types	Multiple choice	<ul style="list-style-type: none"> • Multiple choice • True/false • Quizzes • Draw on image • Free text 	<ul style="list-style-type: none"> • Multiple choice • Clickable image 	<ul style="list-style-type: none"> • Multiple choice • Free text • Clickable image
Responses	<ul style="list-style-type: none"> • Anonymous unless identify a clicker with a resident • Timed responses • Count down timer 	Anonymous or identified	Anonymous or identified	Anonymous (free) or identified (Premium)
Team challenges	Yes but tricky	No	Yes	Yes but tricky and premium feature
Reports to instructor	Yes, but anonymous unless you identify a clicker with a resident in advance	Yes, extensive and identifiable	Yes, and to learner	Yes, but identified data is Premium feature
Integration into Powerpoint	Yes	Uploads your ppt but runs standalone	Uploads your ppt but runs standalone	Yes

<p>Question development</p>	<ul style="list-style-type: none"> • Build questions into PP within Turning point (use latest version) <p>or</p> <ul style="list-style-type: none"> • Write your questions in PP and use the floating "TP Anywhere" toolbar 	<ul style="list-style-type: none"> • Upload pdf or ppt • Write questions directly into Nearpod • Or can make entire session in Nearpod 	<ul style="list-style-type: none"> • Upload your ppt • Write questions directly into Diagnosis Live 	<ul style="list-style-type: none"> • Write questions directly on website • Select your questions from ppt
<p>Great for...</p>	<ul style="list-style-type: none"> • Anonymous simple AR • Med school has same system, clickers available • Adding AR to a pre-existing question set easily • Adding timed responses • No user account needed 	<ul style="list-style-type: none"> • Multisite/remote sessions • Board reviews - as not anonymous • Textural responses • Deploying complete quizzes • 'Draw on' answers • No user account needed 	<ul style="list-style-type: none"> • Multisite/remote sessions • Team challenges • Identifying the findings on images • Tracking resident performance with time 	<ul style="list-style-type: none"> • Multisite/remote sessions • Unknown audience (wide range of response methods, no user account needed) • Identifying findings on images • Free text responses • Punctuating a lecture session with participation

Issues	<ul style="list-style-type: none"> • If you want to integrate in your PP talk you need to download the software (don't need to for TP Anywhere) • You must open Turning Point and <u>then</u> open your presentation to make it work • Need to put the receiver into your laptop/podium USB drive • Short learning curve for basic functions 	<ul style="list-style-type: none"> • Best run with questions on iPad and images on laptop (ask Petra) • Limited text length for questions 	<ul style="list-style-type: none"> • If you change your slides has to be re-uploaded. Will (mostly) keep your question slides intact • Users need to set up an account and remember login 	<ul style="list-style-type: none"> • Occasionally hangs • Lots of appearance customizability, but clunky interface for modifying • Can get expensive for more than 25 learners (starting at \$20 per month)
Instructor guides	PDF here	http://www.nearpod.com/help/	PDF here Also YouTubes here	http://www.polleverywhere.com/guide
Login sites for learners	None	http://www.nearpod.com/	http://live.rsna.org	http://pollev.com
Local expert	Petra	Nancy or Petra	Omer	Alan