

TOPIC INFO

TOPIC:	TARGETED THERAPIES IN NEUROLOGY
SPEAKER:	LEO H. WANG M.D., PH.D.
TITLE:	ASSOCIATE PROFESSOR OF NEUROLOGY
AFFILIATION	UW
TIME:	30 minutes – requests 2pm slot

PRACTICE GAP ANALYSIS: TARGETED THERAPIES IN NEUROLOGY

Describe the problems or gaps in practice this activity will address:

What are you trying to change?

Understanding genetic or molecular mechanism behind a specific disease and how the targeted therapy can achieve the goal previously not obtainable.
Recent advances in the field of precision medicine has helped to improve outcome in the diseases such as hereditary amyloid neuropathy, spinal muscular atrophy, refractory autoimmune neurological conditions such as NMO, myasthenia gravis.

What is the problem?

Recent advances in disease treatment based on molecular / genetic level pathology

Until now, treatment for diseases covered in today's discussion were primarily nonspecific or heavily symptomatic without any diseases modification or specific target towards the underlying disease mechanism. Even though existing treatments were unable to achieve some of the described goals, the success rate was less than satisfactory, or improvement was marginal. Significant number of cases were described as refractory with minimal or no treatment option. Some of the treatments, even being nonspecific, carried side effects and risks.

How did you assess and/or measure these issues?

How was the educational need/practice gap for this activity identified? Place an X by each source utilized to identify the need for this activity.

Attach copies of documentation for each source indicated (REQUIRED)

* please make sure when selecting your needs assessment data and references that you highlight applicable components.

Method

Example of required document

	Previous participant evaluation data	Copy of tool and summary data
<input checked="" type="checkbox"/>	Research/literature review	Abstract(s) or articles
<input checked="" type="checkbox"/>	Expert Opinion	Summary
	Target audience survey	Copy of tool and summary data
	Regulatory body requirements	Requirements summary
	Data from public health sources	Abstract, articles, references
	Other (describe)	

Describe the needs of learners underlying the gaps in practice:

What are the causes of the gaps in practice? Check all that apply

x	Lack of awareness of the problem,		Poor self-efficacy,
	Lack of familiarity with the guideline,	x	Inability to overcome the inertia of previous practice, and
	Non-agreement with the recommendations,	x	Presence of external barriers to perform recommendations
	Other		
Why does the gap exist? Check all that apply			
	Lack of Knowledge competence		Lack of time to assess or counsel patients
	Performance-based.		Cost / Insurance/reimbursement issues
	Lack of consensus on professional guidelines		Patient Compliance Issues
x	Other: New era of medicine with no prior treatment.		
What do learners need to be able to know or do to be able to address the gaps in practice?			
Explain your CME Objectives here. A better understanding can be achieved by - Discuss Basic Pathology behind disease - Describe Therapeutic development based on pathology Analyze Cost and efficacy of treatment			

CME OBJECTIVES : TARGETED THERAPIES IN NEUROLOGY

State at least three or more things that participants should be able to do after they participate in this CME activity. Please note these objectives should be measurable, specific, actionable and timely.

Upon completion of this activity, attendees should be able to:

- 1 Discuss Basic Pathology behind disease -
- 2 Describe Therapeutic development based on pathology
- 3 Analyze Cost and efficacy of treatment

The ACCME does not want you to use the words - think, understand, know, appreciate, learn, comprehend, be aware of, be familiar with, etc. as they are not measurable.

You can use words such as Analyze, Categorize, Classify, Compare, Conclude, Construct, Critique, Define, Demonstrate, Describe, Discuss, Evaluate, Identify, List, Name, Outline, Show

COMPETENCIES : TARGETED THERAPIES IN NEUROLOGY

What ACGME or IOM related competency is associated with this activity? (:)

x	Patient Care	Practice-Based Learning and Improvement	x	Medical/Clinical Knowledge
	Procedural Skills	Interdisciplinary Teams		Teams and Teamwork
	Communication Skills	Professionalism		Systems-based Practice
	Quality Improvement	Utilization of Informatics	x	Evidence-based Practice

What is the activity designed to change

- x **Competence** - (knowing how to do something)
 Selecting this option requires the CME activity being planned provide participants with an opportunity to:
- hear information related to advances or best practice
 - hear examples of application in practice of information presented

	<p>Performance- (actually doing something) Selecting this option requires the CME activity being planned provide participants with an opportunity to:</p> <ul style="list-style-type: none"> • practice what they have learned during the CME activity • receive feedback about doing what they have learned during the CME activity 							
	<p>Patient Outcomes- (actually measure change in patients) Selecting this option requires the CME activity track change in patient outcomes:</p> <ul style="list-style-type: none"> • provide tangible improvements and data to support overall change to patient outcomes 							
What potential barriers do you anticipate attendees may encounter when incorporating new objectives into their practice?								
x	<table border="1"> <tr> <td>Lack of time to assess or counsel patients</td> <td rowspan="6">Other – describe:</td> </tr> <tr> <td>Cost</td> </tr> <tr> <td>No perceived barriers</td> </tr> <tr> <td>Lack of administrative support/resources</td> </tr> <tr> <td>reimbursement issues</td> </tr> <tr> <td>Insurance/</td> </tr> </table>	Lack of time to assess or counsel patients	Other – describe:	Cost	No perceived barriers	Lack of administrative support/resources	reimbursement issues	Insurance/
Lack of time to assess or counsel patients	Other – describe:							
Cost								
No perceived barriers								
Lack of administrative support/resources								
reimbursement issues								
Insurance/								
Describe how will this educational activity address these potential barriers and the strategies used?								

RESULTS: TARGETED THERAPIES IN NEUROLOGY	
please describe the results expected (outcomes) for this activity in terms of specific improvements in patient care and/or other work related to the practice of medicine.	
	Your description
	Improvements in patient care based on evidence-based treatment
	Reduce Health care costs
x	Streamline care of patients

MEASURING YOUR SUCCESS: TARGETED THERAPIES IN NEUROLOGY	
<p>Will use pre-and post CME activity questionnaire to measure success. Please provide 3 questions and answers that will asked to the audience before and after your talk. The answer to these questions should be in your presentation. Please highlight the correct answer and limit your possible answers to a maximum of 4 with only one correct answer. The others can be partially correct or wrong</p>	
Question 1. HTRR which one is true	
	Answers
1	multiple mutation possible
2	amyloid is produced in liver, choroid plexus
3	once cardiac/neuropathy symptoms start, life expectancy is 7-12 years
4	all of the above
	<p>Feedback: Please provide a detail feedback (MOC) requirements for above questions in two groups</p> <ol style="list-style-type: none"> 1. multiple mutation possible is partially correct 2. amyloid is produced in liver, choroid plexus is partially correct 3. once cardiac/neuropathy symptoms start, life expectancy is 7-12 years is partially correct 4. all of the above is the correct answer
Question 2 Which is true for SMA	
	Answers
1	autosomal recessive, LMN disease, affect 1:6000, different types
2	all types of SMA occurs from defects in SMN protein
3	Primary goal of treatment is slow the disease and improve QOL
4	all of the above

Feedback: Please provide a detail feedback (MOC) requirements for above questions in two groups

- 1 autosomal recessive, LMN disease, affect 1:6000, different types is partially Correct
- 2 all types of SMA occurs from defects in SMN protein is partially Correct
- 3 Primary goal of treatment is slow the disease and improve QOL is partially Correct
- 4 all of the above- is the Correct Answer

Question 3 C5 compliment inhibition – which is true

Answers:

- 1 works in all auto immune disease
- 2 permanent inhibition is possible
- 3 works in PHN, NMO, MG among other conditions-
- 4 r 4 is very affordable

Feedback: Please provide a detail feedback (MOC) requirements for above questions in two groups

1. works in all auto immune disease -wrong answer
2. permanent inhibition is possible is the Correct Answer
3. works in PHN, NMO, MG among other conditions- wrong answer.
4. r 4 is very affordable- wrong answer.