

Immunization “201” – Challenging Immunization Scenarios

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Disclosures

- *I, Ronald Samuels, have been asked to disclose any significant relationships with commercial entities that are either providing financial support for this program or whose products or services are mentioned during my presentations.*
 - *I have no relationships to disclose*
- *I will discuss the use of vaccines in a manner not approved by the U.S. Food and Drug Administration.*
 - *But in accordance with ACIP recommendations and expert opinion.*

Today's Objectives

- **Thinking about/approaching vaccinating children**
 - **Communication Strategies**
- **CASES**

Challenges To Effective Communication With Patients

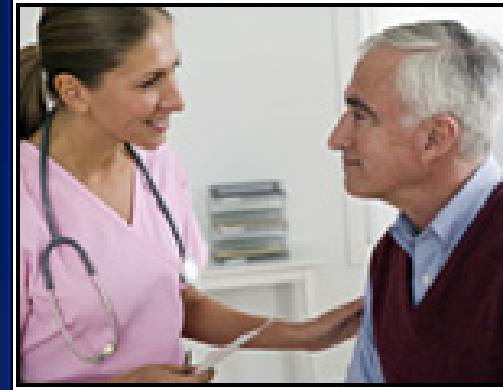
- Finding the time to communicate
- The science of vaccines and immunology is complicated
- Language barriers
- Information resources

Strategies To Reduce Myths and Misperceptions about Vaccines

- Listen to the patient
- Be a role model
- Speak from your experience

Approaches To Vaccine Communication Challenges

- **Keep your message simple**
- **Advise the patients what to expect after the vaccination**
- **Emphasize the return visits**



One of the most important factors that influence a patient's decision to be vaccinated is a clear and unequivocal recommendation of the vaccine from the provider

Strong, Clear Concise Recommendation for HPV Vaccine (and all vaccines)

- Recommend HPV as a routine vaccine in the same manner as others
- **“ Your child needs 3 vaccines today: HPV, Tdap and MCV4”**
- Listen carefully and welcome questions

Dear colleague letter

Endorsed by AAP, AAFP, ACOG, CDC and IAC

http://www.immunize.org/letter/recommend_hpv_vaccination.pdf

Immunization Pearls

- **GIVE ALL SHOTS**

- If they're due for many shots - they've missed visits - and will miss them again

- **Think about EACH antigen separately with combination vaccines**

- i.e., Pentacel - think about DTaP, then IPV, then HIB

- **When looking at lists of shots, think about any vaccines that the patient hasn't received AT ALL**

- It's much easier to notice that a patient is short a vaccine (i.e., only had one VZV), then it is to recognize they've never received a vaccine (i.e., never had Hep A)

Cases

- **Mostly no right answers**
 - some wrong answers...
- **When no right answers... If in doubt, discuss with the family**
- **Ignore Flu vaccine – they're ALL due for flu vaccine**

Case 1

- **12 month old patient, presents for routine well child care visit. New to your practice**
 - no immunization records
- **What do you do?**

Case 2

- **16 month old patient, presents for ringworm. Known to your practice**
 - Not up to date with immunizations
- **What do you do?**
 - If you vaccinate today will that decrease the chance that he/she will return for well child care?

Case 3

- **16 month old patient, misses well child care visit. Known to your practice**
 - Frequent missed appointments
 - Missed appointment again today
- **What do you do?**

Case 4

- **18 month old patient, presents for routine well child care visit. Known to your practice**
 - **Reviewing immunization records, there's no DTaP given at 4 months of age, but IPV, PCV, HIB and rotovirus were all given at 4 months of age. All other vaccines are Up To Date including DTaP's at 2, 6 and 15 months of age.**
- **What do you do?**

Case 5

- **18 month old presents to your practice. Family had sent records ahead of time and the immunizations are already entered into the EMR. When you review in the EMR everything up-to-date except at 2, 4, and 6 months no IPV or PCV. Mom states received all shots**

Case 6

- **12 month old patient, presents for routine well child care visit. Up-to-Date with 3 sets of all shots (including Hep B).**
 - Also has fever to 100.9 and with OM
 - Parent tells you up front that they don't want shots today.
- **What do you do?**
- **Is your approach different if the patient is NOT up-to-date and known to miss appointments?**

Case 7

- **3 year old with Cerebral Palsy comes in for routine visit today. She has had all her routine shots through 3 years of age.**
- **Given that she has CP what additional shot(s) should you be advising.**
- **Are there more shot(s) you should give if has cochlear implant?**

Case 8

- **5 month old medically complex patient, presents for routine well child care visit. New to your practice**
 - **No previous vaccinations?**
- **Are there circumstances where you'd give rotovirus vaccine**

Case 9

- **1 year old, newly adopted baby from overseas. Family brings in shot record from overseas. All the shots are there, but the family is worried – they felt the care in the orphanage had been bad and don't believe the record.**
- **Do you feel better/ worse when you notice ALL the shots are given on the first day of a month**

Case 10

- The adopted baby's shot records are beautifully written out – but you've got no idea what they mean since they're in another language
- What are your options at this point?

Options

- Revaccinate
- Titters?
- Have family get it translated
- Use facility translators if available
- PINK BOOK
 - <http://www.cdc.gov/vaccines/pubs/pinkbook/index.html>
- www.immunize.org

Quick Chart of Vaccine-Preventable Disease Terms in Multiple Languages

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Eastern European Languages								
English!	Bosnian!	Croatian!	Polish!	Romanian!	Russian!	Serbian!	Slovak!	Ukrainian!
DTP!	Detepe!	Detepe!		Di-Te-Per!	АҚДС!	Detepe	DiTePe	!
Diphtheria!	difterija!	difterije!	przeciwko błonicy	difterie!	дифтерия!	дифтерије	záškrt	дифтерія!
<i>Haemophilus influenzae</i> type b!	<i>Hemofil</i> a influenza tipa B	Haemophilus influenzae tipa b!	Haemophilus influenzae typu b	Haemophilus influenzae tip b boala!	гемофильной! инфекции! типа!" !	Хаеомphilус инфлуензае тип Б болести	Haemophilus influenzae typ b ochorenia	гемофильної інфекції типу В захворювань!
Hepatitis A!	■ ica A, Hepatitis A!	■ ica A, hepatitis A!	wirusowemu zapaleniu wątroby typu A	hepatita A!	гепатит А	хепатитиса А	hepatitída A	гепатиту S!
Hepatitis B!	■ ica B, Hepatitis B!	■ ica B, hepatitis B!	wirusowemu zapaleniu wątroby typu B	hepatita B	гепатит!" !	хепатитиса Б	hepatitída B	гепатиту В!
Human papillomavirus	Ljudski papiloma virus	papilomavirusi čovjeka	wirus brodawczaka ludzkiego	papilomavirus uman	вирус! папилломы! человека	људски папилома вирус	ľudsk! papillomavírus	вірус папіломи людини!
Influenza!	gripa!	gripe!	grypa	gripa!	грипп!	грип	chřípka	грипу!
MMR	MMR				!	M#S!		!
Measles!	rubeola!	ospice!	odra	pojarul!	корь!	Мале богиње	morbili, os! pky	!
Meningococcal conjugate		meningokoknog konjugirani	meningokokom sprzężenia	conjugate meningococice	менингококковая! сопряженных ■	менингококне коњуговано	meningokokove j konjugovanou	менингококова сполучених!
Mumps!	zauške!	zaušnjaci!	swinka	oreionul, oreion!	свинка, ■ аротит!	Эаушке	parotitis	кір!
Pertussis	veliki kašalj!	kašalj hripavac!	krztuścowi	tusei convulsive!	коклюша!	великог кашља	čierny kašeľ	кашлюку!
Poliomyelitis!	dje ■ paraliza!	dječje paralize	polio	poliomielita!	полиомиелит!	дечје парализе	detská obrna	поліомієліту!
Pneumococcal conjugate!	upala plu ■!	pneumokoka konjugirano	skoniugowanej szczepionki pneumokokowej	pneumococic conjugat!	пневмококковая! конъюгированной!	Пнеумоцицал коњунговане	konjugovaná pneumokoková	пневмококковой! конъюгированной!
Rotavirus	\$%& (*)+ ,	rotavirusa	rotavirusy	rotavirus	ротавирусной!	рота-вируса	Ротавирус	ротавирусної!
Rubella!	male boginje!	rubeola!	■ cka	rubeola, rubeolei, pojar German!	краснуха!	Рубеола	rubeola	!
Shingles (Herpes zoster)		šindra	pópasiec	Herpes zoster (zona zoster)	опоясывающий! лишай	херпес зостер (појасни херпес)	pásového oparu (pásov! opar)	оперізуучий герпес (оперізуучий лишай)!
Smallpox!	veliki boginje!	veliki boginje!	ospa	variola, variolei!	оспа	veliki boginje	kiahne	!
Tetanus!	tetanus!	tetanus	teżcowi	tetanosului!	столбняк!	тетануса	tetanus	правця!
Tuberculosis!	tuberkuloza!	tuberkuloza!	gruzlica	tuberculozei!	туберкулез!	Tuberkuloza	tuberkulóza	!
Varicella		varicella (vodene	ospu wietrznej (ospa	si varicelă	ветряная оспа!	Варицелла	ovčím kiahňam	вітряної віспи

Case 11

- **9 month old comes into the clinic. The mom tells you they are traveling to Haiti next month. What shot(s) do you need to give**

Travel

- cdc.gov/travel
- Figure out quickly if needs yellow fever and needs to go to travel clinic
- Don't forget malaria prophylaxis!
- Don't forget MMR

Case 12

- **9 month old comes into the office. The family is returning to “another country” for a year, and mom knows they don’t give the same vaccines. She asks for what vaccines would you recommend they get.**

Case 13

- **7 year old patient of yours recently completed treatment for Leukemia including bone marrow transplant. Dad brings in the child for the first time in a long time, wants to know what to do about vaccines.**

Case 14

- **Flu vaccine**
- **12 year old with history of egg allergy here for flu vaccine**
- **No problem eating food cooked with small amounts of egg**
- **What do you do?**

Case 15

- **3 year old comes in for flu shot**
 - Had 1 flu shot 2 years ago
 - Do they need a second dose?
 - If they had 1 flu shot last year as well – do they need a 2nd dose?

Case 16

- 6 month old new to your practice has a scattering of shots (2 DTaPs, 1 IPV, 1 HIB, 1 PCV, 1 Hep B, 1 rotovirus)
- Family has Dr. Sears book and wants to follow his schedule
- How do you respond?

Case 17

- **15 month old, new to your practice. His records show**
 - Hep B, DTaP, HIB, PCV, IPV all x3 (all before 9 months of age)
 - Rotovirus x2
- **What shots do you administer today?**
 - If you give some – will they come back in 4 weeks for more?

Summary

- **Give all vaccines due**
- **Think about each portion of combination vaccines separately when thinking about being up-to-date**
- **Look closely for MISSING vaccines**

For More Information

- **Massachusetts Department of Public Health Immunization Program**
 - 1-617-983-6800
 - 1-888-658-2850
 - Website <http://www.mass.gov/dph>
- **CDC/NIP**
 - 1-800-232-2522 (English)
 - 1-800-232-0233 (Spanish)
 - Website <http://www.cdc.gov/vaccines>
- www.immunize.org