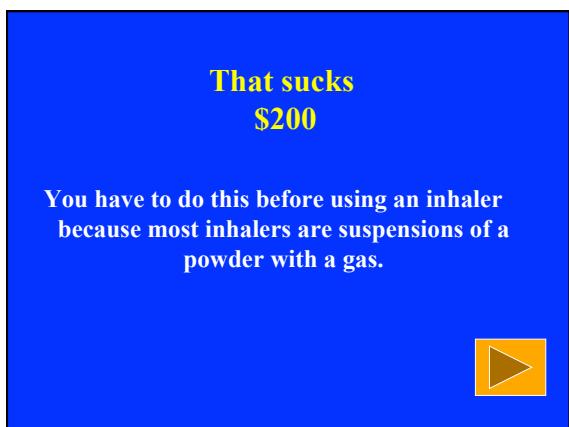
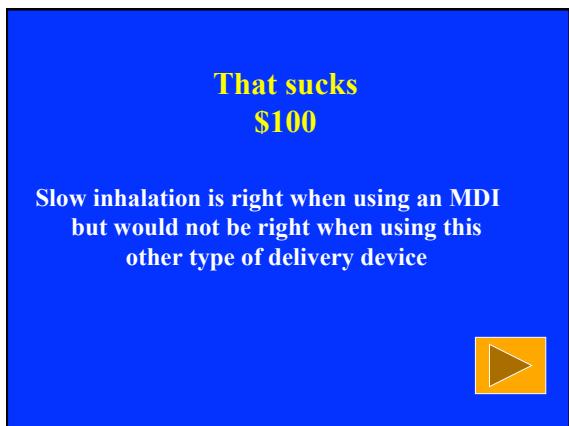
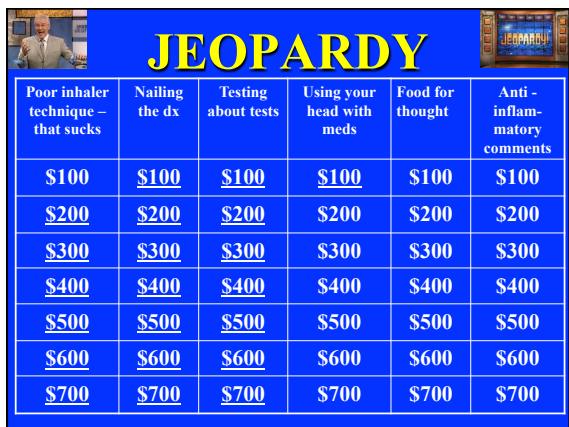


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That sucks
\$300

Crying and blow-by technique result in this unwanted outcome when children use inhaled nebulized asthma meds.



That sucks
\$400

This is the rough percentage of lung deposition obtained with an albuterol MDI inhaler (without spacer).



That sucks
\$500

The biggest enemy of a powder inhaler medication, which can cause clogging, and why patients should not blow in to a DPI device.



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That sucks
\$600

The age at which a child using a spacer with mask
should be graduated to one without.



That sucks
\$700

Show us proper MDI inhaler technique for
700 bucks!!

Assume – child 9 yrs old; drug albuterol MDI



Nailing the dx
\$100

This one lung function value is the best one to
use in determining if a child has asthma.



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Nailing the dx \$200

One of the 2 “major” stringent API criteria, that if present, makes it quite likely a child with reactive airways disease (“RAD”) has asthma.



Nailing the dx \$300

It is an index used to help predict if a child with intermittent wheezing, in fact, has asthma.



Nailing the dx \$400

The newest NIH Guidelines stress we as providers worry more about this with a patient's asthma than their severity classification.



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Nailing the dx \$500

A coughing condition in kids that can mimic asthma, causes nasal congestion, and is often worse at night.



Nailing the dx \$600

It is often mis-diagnosed as asthma in hard-driving teenage girl athletes who present with breathing difficulties with exercise.



Nailing the dx \$700

**A convenient objective test of airway caliber/size
best used for monitoring asthma, rather than
diagnosing it.**



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Testing about tests

\$100

One of the benefits of FENO measurement is making sure the child is taking this type of medication regularly as prescribed.



Testing about tests

Peak flow based asthma action plans may not be any better than ones based on this parameter.



Testing about tests

The provocation test used to best prove the presence or absence of asthma.



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Testing about tests

\$400

The ATS requirement for degree of acute improvement in FEV1 after albuterol administration for proving reversibility.



Testing about tests

\$500

A peak flow meter does not need to be very accurate, but it does need to be this.



Testing about tests

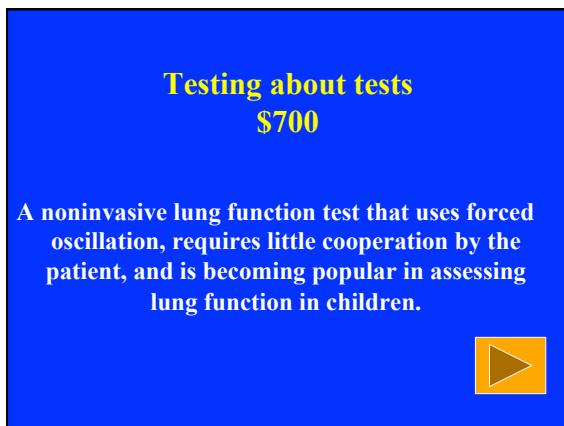
\$600

It is probably the most common reason for a reduced FEV1 in children.



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Using your head about meds

\$200

The amount of MDI albuterol roughly equivalent in efficacy as 1 ampule of nebulized albuterol.



Using your head about meds \$300

The single isomer form of albuterol which works as well as racemic albuterol with presumably less side effects.



Using your head about meds \$400

Despite the fact children are smaller in size, this NHLBI Guidelines rule about dosing inhaled asthma meds still applies.



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Using your head about meds \$500

The “other” 2 things that make up the rule of 2’s for distinguishing intermittent from persistent asthma.



Using your head about meds \$600

An Asthma Action Plan for a 3 yr old non-atopic child with intermittent asthma (every 2 mos, October - April), usually triggered by a head cold, with no evidence of asthma in between.



Using your head about meds

A controller asthma med that helps allergic rhinitis, and therefore, the patient gets “two for the price of one”.



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Food for thought \$100

There are many allergic triggers for asthma (mite, mold, pollen, dander) but contrary to common patient belief, this one is not.



Food for thought

\$200

The one dietary component that has the most convincing evidence supporting its role in asthma.



Food for thought

\$300

A condition at the beginning of the “Allergic March” that often ends up with the child having asthma.



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Food for thought

\$400

An itchy mouth problem children with asthma and associated hay fever can have, often making them think they have a true food allergy to fruits and vegetables.



Food for thought

\$500

Unilateral wheezing in a younger child makes one worry about it being the cause of the problem.



Double JEOPARDY

How much do you wish to wager?



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Double JEOPARDY

Food for thought

\$600

An increasingly common eating disorder in childhood that may at least aggravate, or even be the cause of, asthma.



Food for thought

\$700

An unusual condition where wheezing and serious allergic symptoms occur only after eating a certain food and then exercising, or vice versa.



Anti-inflammatory comments \$100

The most common report by children and parent when monitoring for side effects of inhaled corticosteroids.



Anti-inflammatory comments \$200

Inhaled corticosteroids are almost uniformly superior in efficacy to this other commonly-prescribed class of asthma medication in most children.



Anti-inflammatory comments \$300

An HFA-inhaler controller medication that has smaller particles and better lung deposition than other ICS's because it is a solution and not a suspension.



**Anti-inflammatory comments
\$400**

Probably the most important variable in considering which inhaled corticosteroid agent to select for treating a child with asthma.



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Anti-inflammatory Comments \$500

A type of dosing regimen with an inhaled corticosteroid which is often effective and helps increase medication adherence (compliance).



Anti-inflammatory Comments \$600

The amount of height reduction found in adults previously treated in childhood with budesonide ICS in the CAMP study



Anti-inflammatory Comments \$700

One has to anticipate and address this potential problem affecting med adherence by parents when starting a child on an ICS.

