

# AMERICAN ASSOCIATION FOR RESPIRATORY CARE

9425 N. MacArthur Blvd. Suite #100

Irving, TX 75063-4706

Phone 972-243-2272 \* Fax 972-484-2720 \* [www.aarc.org](http://www.aarc.org)

This is the updated version of the 2015 AARC National Sputum Bowl Competition. **PLEASE carefully read the rules.** There are a few changes this year, including registration fees and the return of question requirements. Each team is responsible for understanding the new rules.

March 1, 2015

Dear Affiliate Presidents and State Sputum Bowl Coordinators:

The AARC Program Committee cordially invites your chartered affiliate to participate in the AARC National Sputum Bowl competition, November 7 – 10, 2015, in Tampa, FL. Last year 33 teams representing 21 affiliates participated in this contest. You and your affiliate's participation in the 38<sup>th</sup> Annual Sputum Bowl contest will make this a highlight of the AARC International Respiratory Congress.

The AARC will hold a Student Sputum Bowl competition as a separate division within the traditional National Sputum Bowl contest. Each affiliate is encouraged to send both a Practitioner Sputum Bowl team and a Student Sputum Bowl team.

*Due to the physical and time limitations for a double elimination format, we must limit participation to the first 40 teams (total for both divisions) who are registered and eligible. The first 40 places will be reserved and confirmed back to the submitting states based on receipt of your application forms. Applications received after these first 40 places will be held on a waiting list. Any team missing a deadline for the roster will be moved to the end of the waiting list and that spot will be filled by the team at the top of the waiting list. This makes complying with the deadlines very important.*

The 2015 Sputum Bowl Rules and all required forms are included in this packet or can be located on the [AARC website](#). Please review the rules carefully and make certain your affiliate's team members review them as well. The deadlines for the enclosed forms are as follows:

Application for affiliate approved teams	June 30, 2015
Application for renegade teams	July 1 – August 31, 2015
Visual Submissions	August 28, 2015
Team Rosters	September 1, 2015
Roster Revisions	October 2, 2015

Please complete the information on the bottom of the application regarding your State Sputum Bowl Coordinator so that we may have the correct contact person within your affiliate. We await your affiliate's entry(s) and look forward to seeing you in Tampa!

Sincerely,

Sherry Whiteman, BS, RRT, RCP  
Chairperson  
2015 AARC National Sputum Bowl Committee

## Synopsis of 2015 Rules Changes and Important Reminders

- NOW ACCEPTING RENEGADE TEAMS! Each affiliate may submit an application to play for a team that wins at the affiliate level. Anyone else that wishes to play may submit an application to play as a Renegade team. See the rules set forth in section V.E for more information.
- Visual questions WILL BE required for participation in the National Sputum Bowl. See rules notebook for further information. All visual submissions **MUST** be new and original **EACH** year. Do **NOT** send in previously submitted visual questions.
- All 2015 Sputum Bowl participants are invited to attend an Orientation Session to provide new players with a review of the Rules of Competition and to present basic strategies on Friday, November 6<sup>th</sup>, 2015, from 5:30 – 6:30 p.m. in the preliminary competition room at the Marriott Waterside in the Florida Ballroom in Salons I, II and III. This session is *optional*.
- ALL teams must pay a \$50 non-refundable registration fee when submitting their application to play. See guidelines.
- A reminder regarding AARC membership: If a team member's AARC membership is due to expire any time prior to November 1, 2015, *the renewal must be completed prior to the October 2 roster changes deadline*. All team members for both the Practitioner Sputum Bowl competition and the Student Sputum Bowl competition must have their AARC membership current.
- A reminder regarding the AARC Annual Meeting policy prohibiting recording devices of any kind during contests (XII.D.)
- There are no adjustments to the game schedules. If affiliate team members anticipate a potential conflict with other commitments at the AARC International Congress, they should weigh the possibility of missing a game (a minimum of one team member must appear at the appointed game time in order to avoid a forfeit), against having someone else represent their affiliate. The AARC Sputum Bowl Committee strongly encourages contestants to participate in as many of the AARC events as possible. However, in fairness to all the teams, the pairings and scheduling format will be adhered to throughout the contest.
- All decisions by the judges are final. No challenges will be accepted based on a prior ruling by the judges.
- The moderator will ask the pre-selected questions. Anyone may answer a toss-up question. The element of **“Risk/ Reward”** will exist throughout the entire game. If a team buzzes in to answer **before** the moderator has finished reading the question, the moderator will stop at that point in the question and indicate to that team that they are “At Risk”. The team then has ten (10) seconds to begin an answer. Team members have the liberty to confer during this time period. If the answer is correct,

they are “Rewarded” with a point. If the answer is incorrect, a point will be deducted from their score. Then the moderator will turn to the opposing team, re-read the question and give that team ten (10) seconds to begin an answer. If that team is correct, they score a point. If they are incorrect, a point will **not** be deducted from their score. The moderator will judge the first answer given by any team as to its correctness, and if correct, indicate so to the scorekeeper.

- A team will never be “At Risk” if they respond to a question **after** the moderator has finished reading it, unless in the bonus period.
- If they wish, each team, once per game, may use a lifeline called “**Ask an Expert**”. This lifeline will become “**Call your Posse**” during the Finals competition.
- “Ask an Expert/Call your Posse”
  1. In *preliminary* competition, each team must submit the name of their “Expert” to the Sputum Bowl committee *prior* to the start of each game. The team may choose whomever they wish except anyone on the Sputum Bowl Committee or any judge who is presiding during the round. When a team responds to a question and wishes to use the lifeline, they will announce to the moderator that they would like to ask their “Expert”. The “Expert” must be readily available to join the team for the single question. The team will have 10 seconds total to begin an answer. “Risk/Reward” will apply when using your expert.
  2. In *Finals* competition, each team will compose 8 people for their posse prior to the evening’s contest. The “Posse” will sit at the tables reserved for the teams at the front of the auditorium. The “Posse” will be responsible to answer the question **without** consultation with their team. “Risk/Reward” will apply when using your “Posse”. Once a team decides to “Call the Posse” the game clock will be stopped. When the “Posse” has been identified, a separate clock will be used to time the Posse’s answer period. The Posse will have 10 seconds total to begin an answer. Once the “Posse” gives an answer or when their answer time runs out, time on the original game clock will be restarted and regular game play will continue.
- After the 2:00 minute mark (or 3:00 minute mark in the Finals), no slide questions will be asked nor will any “Ask an Expert/Call your Posse” lifelines be allowed.
- Tie games at the end of regulation play shall be resolved by a sudden death playoff. The first team to score three points shall be declared the winner. “**Risk/Reward**” will apply but **not** “**Ask the Expert/Call your Posse**” during the sudden death playoff.

## **PLEASE READ CAREFULLY**

In 2015, your state affiliate **WILL BE REQUIRED** to submit visual questions. Please follow the guidelines and deadlines set forth in the Rules of Competition. All visual submissions **MUST** be new and original **EACH** year. Do **NOT** send in previously submitted visual questions.

The specifications are detailed in the rules (Section X). Each question must have the ability to be referenced to the 2015 Reference List (Appendix A). Note that there are **NO** numbers listed to identify the references. Please use the name of the reference and the author when you submit visuals. As a result of these changes, the dates have been updated on the Journal and Clinical Practice Guidelines:

- American Association for Respiratory Care. Clinical Practice Guidelines. CPG's published through **June 2015**, available at <http://www.aarc.org>.
- Respiratory Care The Official Journal of the American Association for Respiratory Care. Now includes the issues between **January 2010 through June 2015**.

Please use only those books and journals from the appropriate edition that are included on the 2015 Reference List (Appendix A).

**Visual submissions must be received by August 28, 2015, and ARE mandatory for a team to participate at the National competition.**

The Sputum Bowl Committee looks forward to another great competition in Tampa, FL. Please adhere to the all the deadlines and rules in doing your part to make the 2015 Sputum Bowl a success.

# **The American Association for Respiratory Care SPUTUM BOWL RULES OF COMPETITION**

**REVISED February 2015**

- I. The prime objective of the Sputum Bowl is to stimulate interest in the current knowledge and practices of respiratory care.**
- II. The competition shall be held in a spirit of professionalism and good sportsmanship.**
- III. There are no losers in this contest. All should gain from this experience a greater understanding of respiratory care and themselves.**
- IV. Submission of Teams**
  - A. Only one team in the Practitioner Sputum Bowl competition shall represent any affiliate of the American Association for Respiratory Care (AARC). The composition of team members is left to the sponsoring affiliate or the captain of a renegade team.
  - B. Each affiliate may also be represented by one team in the Student Sputum Bowl competition. Specific rules regarding the Student Sputum Bowl competition are contained in these rules under XIII.
  - C. Each affiliate shall submit an application for admission to the contest prior to the deadline noted in these rules.
  - D. Submission of visual images is optional for each participating team. Please refer to Rule X and Appendices A- B.
  - E. Each affiliate shall submit a roster of team members prior to the deadline noted in these rules.
  - F. An additional three teams may align under an affiliate name and play as a “Renegade” team in the Practitioner division. See the rules in section V.D.
  - G. An additional three teams may align under an affiliate name and play as a “Renegade” team in the Student division. See the rules in section V.D.
  - H. Only 4 teams per division may represent any given affiliate per division. (Example: 4 teams may represent California in the National bowl – 1 affiliate supported and 3 renegade. 4 teams may represent California in the Student bowl – 1 affiliate supported and 3 renegade. Therefore, California may be represented by 8 teams in the entire competition).

## V. Practitioner Sputum Bowl Team Composition

- A. A team shall consist of at least three and not more than four (4) Respiratory Care practitioners.
- B. Member Eligibility
  1. The team members, including the alternate, of the previous year's championship team shall be ineligible for national competition for two years following their championship. In other words, the champions of the 2013 National Practitioner Sputum Bowl competition will not be eligible to compete again until 2016.
  2. Team members (herein considered the team) must be current members in good standing of the American Association for Respiratory Care (AARC) as determined by current AARC bylaws.
  3. An individual may be a member on only one team entered in the national or student competition.
- C. Affiliate Team Eligibility
  1. Application for entrance in the Sputum Bowl competition at the AARC International Congress must be received by the Sputum Bowl Committee no later than June 30, 2015. ***This deadline is for teams that are approved as the representative at the State level. After this deadline, "Renegade" teams are allowed to register for play. See section V.D for more information regarding Renegade teams.***
  2. Submission of 10 visual images shall be made to the Committee by August 28, 2015 to allow for proper review prior to the contest.
  3. The team roster shall be submitted to the Committee by September 1, 2015 to determine eligibility. No emergency roster changes will be accepted after October 2, 2015.
  4. Teams **MUST** pay a \$50 non-refundable registration fee to hold a spot for play at the National Sputum Bowl.
- D. Renegade Team Eligibility
  1. A "renegade" team is any team that did NOT win at the affiliate level but would still like to participate in the National Sputum Bowl.
  2. Renegade teams must meet all requirements of a Sputum Bowl team as set forth in these rules.
  3. Renegade teams must submit an application to play during the deadline window set forth in these rules.
  4. Renegade teams must submit a team roster, as set forth in these rules.

5. Members of a renegade team **MUST** work in or reside in the state with which they align.
6. Renegade teams **MUST** pay a \$50 non-refundable registration fee to hold a spot for play at the National Sputum Bowl.
7. Renegade teams that apply to play and then do not show up to play at the National competition will **NOT** be eligible to receive the refundable deposit.
8. **NO MORE THAN 3** Renegade teams per state, per division are allowed to enter the competition.

## **VI. Format for National Competition**

- A. The national competition will be held during the AARC International Congress.
  1. Preliminaries will be held prior to the finals.
  2. Preliminaries will be of a double elimination format.
  3. Finals will be of a single elimination format for the four teams remaining after preliminary competition.
  4. Preliminaries will be played, in a double elimination format, until only 4 teams remain. The remaining four teams will advance to Finals.

## **VII. Moderators**

- A. The moderator shall be someone familiar with the terminology of the profession and shall be appointed by the Sputum Bowl Committee Chairman.
- B. The moderator shall have the power and option to accept or reject an answer without asking for a judge's ruling.
- C. The chairman of the Sputum Bowl Committee and moderator shall be responsible for the physical setup of the contest site, the proper functioning of all equipment, questions and all other necessary arrangements to ensure a smoothly run game.
- D. During the playing of the game, the moderator is in charge. He must control the actions of the teams, judges, scorekeeper, timekeeper and audience.
- E. The moderator shall review all questions prior to the competition to determine the limits of acceptable alternate responses to each question and determine sets of questions for use during each round of play.

## **VIII. Judges**

- A. The judges shall be qualified individuals in their respective fields.
- B. Judges may review the individual and team eligibility prior to and during the actual competition to determine if any irregularities exist.
- C. The judges shall not be directly related to team members involved in any individual contest.
- D. The judges impaneled for the competition shall rule on the response to any question when so desired by the moderator and indicate whether they accept or reject a team's answer. All decisions shall be final and no challenges will be accepted based on the judges' prior ruling.

## **IX. The Competition**

### **A. Preliminaries**

- 1. A game will consist of:
  - a. Two teams of up to three members each competing at a time.
  - b. Ten (10) minutes in length
  - c. The team scoring the most points at the end of ten minutes is the winner of that game.
  - d. A team will be eliminated when losing two games during the preliminary competition
- 2. When a team fails to take their seats within one minute of being called at the time of their game, they shall forfeit that game and be given a loss.

### **B. Finals**

- 1. A game will consist of:
  - a. Two teams in competition
  - b. 10 minutes in length for the semifinal games, 15 minutes in length for the Finals games.
  - c. The team scoring the most points at the end of each game is the winner.
- 2. The final four teams will be paired at random and will compete for berths in the championship game.
  - a. The teams winning their first game in the final competition will meet in the championship game.
  - b. The teams losing their first game in the final competition will be awarded third place.



- c. The winner of the championship game will be awarded first place. The loser of the championship game will be awarded second place.
- C. The moderator shall signal the beginning of each game.
- D. The timekeeper shall time the length of play and announce the end of play.
- E. The scorekeeper shall maintain a running score visible to all participants and audience and record the verbal portion of all match play.
- F. The moderator will ask the pre-selected questions. Anyone may answer a toss-up question. The element of **“Risk/ Reward”** will exist throughout the entire game. If a team buzzes in to answer **before** the moderator has finished reading the question, the moderator will stop at that point in the question and indicate to that team that they are **“At Risk”**. The team then has ten (10) seconds to begin an answer. Team members have the liberty to confer during this time period. If the answer is correct, they are **“Rewarded”** with a point. If the answer is incorrect, a point will be deducted from their score. Then the moderator will turn to the opposing team, re-read the question and give that team ten (10) seconds to begin an answer. If that team is correct, they score a point. If they are incorrect, a point will **not** be deducted from their score. The moderator will judge the first answer given by any team as to its correctness, and if correct, indicate so to the scorekeeper.
- G. A team will never be **“At Risk”** if they respond to a question **after** the moderator has finished reading it.
- H. If they wish, each team, once per game, may use a lifeline called **“Ask an Expert”**. This lifeline will become **“Call your Posse”** during the Finals competition.
- I. **“Ask an Expert/Call your Posse”**
  - 1. In **preliminary** competition, each team must submit the name of their **“Expert”** to the Sputum Bowl committee *prior* to the start of each game. The team may choose whomever they wish except anyone on the Sputum Bowl Committee or any judge who is presiding during the round. When a team responds to a question and wishes to use the lifeline, they will announce to the moderator that they would like to ask their **“Expert”**. The **“Expert”** must be readily available to join the team for the single question. The team will have 10 seconds total to begin an answer. **“Risk/Reward”** will apply when using your expert.
  - 2. In **Finals** competition, each team will compose 8 people for their posse prior to the evening’s contest. The **“Posse”** will sit at the tables reserved for the teams at the front of the auditorium. The **“Posse”** will be responsible to answer the question **without** consultation with their team. **“Risk/Reward”** will apply when using your **“Posse”**. Once a team decides to **“Call the Posse”** the game clock will be stopped. When the **“Posse”** has been identified, a separate clock will be used to time the Posse’s answer period. The Posse will have 10 total seconds to begin to answer. Once the **“Posse”** gives an answer or when their answer time runs out, time on the original game clock will be restarted and regular game play will continue.

- J. If neither team responds to a question within ten seconds after the moderator has completed its reading, the question will be set aside and questioning will continue.
- K. Each correct answer to a question will have a value of one point

***After the 2:00 minute mark (or 3:00 minute mark in the Finals), no slide questions will be asked nor will any “Ask an Expert/Call your Posse” lifelines be allowed.***

L. Bonus/Penalty Phase

- 1. There will be a Bonus Phase during the last two minutes of preliminary play and during the last three minutes of Finals play. A team who buzzes in first with a correct answer will receive 2 points (bonus). A team that buzzes in first with an incorrect answer will have 1 point deducted (penalty). IF the first team that buzzes in is incorrect, that team will lose a point and the second team will then receive an opportunity to answer the question. IF correct, the second team will earn 1 point. If incorrect, no points will be deducted.
- M. If, due to moderator error, a question must be thrown out after Team A has already missed it and before Team B has had a chance at the question, the very next question will be read to Team B which shall have ten seconds to respond within the rules. Any points lost by Team A on the first question (penalty phase) shall stand and Team B shall earn points on the next question based on their correctness. The moderator at all other times shall have the freedom to select questions in the order he sees fit and to throw out questions at any time as deemed necessary.
- N. Tie games at the end of regulation play shall be resolved by a sudden death playoff. The first team to score three points shall be declared the winner. ***“Risk/Reward” will apply but not “Ask the Expert/Call your Posse” during the sudden death playoff.***
- O. Any question begun prior to the end of regulation play shall be completed in accordance with the above rules if either team has responded prior to the end of play. (Elapsed time to 0:00 as determined by the timekeeper.)

## X. Questions

- A. Each affiliate entering the competition is required to submit 10 visual images for use in the Sputum Bowl. This option applies only once per year per participating team.
  - 1. Visual questions must be submitted in a PowerPoint format. The file name should include the following: state, renegade or affiliate, student or practitioner, year of submission.  
***Ex: MORenegadePractitioner2015***
  - 2. One question per slide. Use a different question category for each slide (There are 18 categories – you may use any 10 categories you like). Create all 10 slides in one document.

3. Place the photo on the slide, and write each question in the notes section for the corresponding slide.
4. Enlarge the photo to cover the entirety of the slide.
5. Do not use images that distort extensively when enlarged.
6. Include the following when writing the question:  
 State Name, Renegade or Affiliate, Student or Practitioner, Year of Submission  
 Question #  
 Category: use those listed  
 Question  
 Answer  
 Reference, page number

**Please note:** The definition of a “visual question” is one that CANNOT be answered without seeing the picture associated with it. Questions that do not meet this definition are not “visual questions”.

7. Please submit only 10 ORIGINAL images by the deadline noted in these rules.
8. The photographs submitted do not have to appear directly in the reference but the content of the image shall have the ability to be referenced to the list of textbooks and journals selected by the Sputum Bowl Committee (Appendix A).
9. Subjects for visual images should predominantly be items or scenes a typical respiratory care practitioner can reasonably be expected to recognize. The visual questions should require recognition or analysis of the visual image to compose a correct answer and not simply provide a visual background to a traditional, oral question. Please note the following criteria for visual question preparation:
  - a. Highly recommended
    - (1) Interesting scenes of any aspect of the actual practice of respiratory care by RCPs and/or RCP students.
    - (2) Realistic, staged illustrations of the practice of respiratory care
  - b. Acceptable
    - (1) Items of equipment
    - (2) Clear technical diagrams
  - c. Unacceptable
    - (1) Equations
    - (2) Slides consisting only of words
    - (3) Copyrighted photographs or cartoons
10. Affiliates submitting photographs depicting patients are expected to have obtained signed releases authorizing the use of the photographs in Sputum Bowl competition. These documents must be available upon request by the AARC Sputum Bowl Committee. Note that it is not necessary to submit release forms with visual questions. Release forms should be obtained from your hospital or other employer.
11. All visual questions MUST be new and original EACH year. Do NOT send in previously submitted visual questions.

12. **\*\*IMPORTANT\*\*** To submit your visual questions, complete the online visual submission form (found at <http://www.aarc.org/resources/programs-projects/aarc-sputum-bowl/>) and attach the file to the form and click submit. Both the form and the attached file will submit electronically to the AARC.

13.

B. Questions used in competition will be of both the traditional oral and visual types. They will be reviewed and selected by the Sputum Bowl Committee prior to competition.

1. The questions will represent the level of didactic and clinical proficiency the respiratory care practitioner is expected to possess.

2. The questions will not be of either the true/false or multiple-choice format.

3. The questions will be referenced to the list specified in Appendix A.

4. The categories of questions for competition will be used in the following approximate percentages:

a. Anatomy and Physiology	9%
b. Diagnostics	9%
c. Pathology	9%
d. Mechanical Ventilation	9%
e. Neonatal / Pediatrics	5%
f. Airway Management	5%
g. Pharmacology	5%
h. Gas Therapy	5%
i. Acute/Critical Care	5%
j. Humidity/Aerosol	5%
k. Microbiology	5%
l. Management	3%
m. Chemistry/Physics	5%
n. Patient Assessment	5%
o. Bronchial Hygiene	5%
p. History	3%
q. Cardiopulmonary Rehab	4%
r. Home Care/Long Term Care	4%

## **XI. Challenging the Competition**

A. Team captains are asked to wait at the contest site for two minutes after the completion of their game to learn of any protests relative to that contest.

- B. Protests will only be accepted for review if the protest will affect the outcome of the game **and** the protest is based on moderator error. Any protests concerning questions that the judges have already ruled on will not be accepted. The judges' rulings are *final*.
- C. A team member may submit a protest form within two minutes after the completion of the game in which the protest is claimed.
- D. Any Sputum Bowl Committee references are on site for use by the Committee and judges only.
- E. The Review Committee shall consist of:
  - 1. Scorekeeper
  - 2. Moderator
  - 3. Timekeeper
  - 4. Judges
- F. Review shall consist of:
  - 1. Team captains stating discrepancy and any or all supporting material or statements (limited to 5 minutes).
  - 2. Any rebuttal from the opposing team captain (limited to 5 minutes).
  - 3. Committee meeting and reviewing all material pertinent to the proceedings.
  - 4. Final decision voted upon and decided by the majority of the Review Committee within one hour of the completion of that round of competition.
- G. A team which has won a game in regular play cannot be declared the loser of that game as a result of a protest. Teams, which lose a game in regular play and as a result of the remedy applied to a successful protest would not lose, but will play their opponent in a sudden death playoff per the rules contained in IX.N above.

## **XII. Electronics Systems**

- A. The device shall be constructed to provide the following:
  - 1. Hand switches for each contestant.
  - 2. Indicator system to show which team has responded first.
  - 3. Timer mechanism to time responses of 10 seconds for initial response and timer for 10 seconds when the question is given to the opposing team.
  - 4. Reset device for timekeeper to reset system in preparation for the next question.
- B. Timekeeper shall be the person in control of the device and shall have a thorough working knowledge of the device.

- C. In the case of an electronic malfunction, any Sputum Bowl Committee member or judge shall immediately notify the moderator who will call time. The game clock shall be reset to the time when the malfunction was first noticed. The question in progress shall be thrown out. The moderator shall signal time in and begin with a new question. No points may be awarded on the question thrown out nor may they be deducted if in the penalty phase. Prior to restarting play the moderator shall make certain that all systems are operational and clear.
- D. In keeping with AARC annual meeting policy, no recording devices of any kind will be permitted during contests.

### **XIII Student Sputum Bowl Competition**

- A. In addition to the Practitioner Sputum Bowl Competition, the AARC Sputum Bowl Committee will conduct a Student Sputum Bowl competition at the International Congress. This competition will be held in conjunction with the Practitioner Sputum Bowl competition and will be open to affiliate teams, which qualify under these rules.
- B. Student Sputum Bowl Team Member Qualification:
- Student team members must be current members of the AARC at the time of competition, satisfying the same criteria as defined in rules V.A, V.B.2 and V.B.3 above.
  - Student Sputum Bowl team members who win a Student Sputum Bowl championship will not be eligible to compete in the Student Sputum Bowl competition in subsequent years. The champions of a Student Sputum Bowl competition may enter the National Sputum Bowl competition in the year after their Student championship.
  - Student Sputum Bowl team members may not compete on another team in the same year. In other words, compete on both the Student level and the National level at the same time.
  - Each Student Sputum Bowl team member must be a current student in a Respiratory Care educational program, or must have graduated from a Respiratory Care educational program during the current calendar year. This student status must be verified for every team member, and validated by the student's program director, on the Student Sputum Bowl roster, which must be submitted to the AARC no later than October 1, 2014.
- C. Preliminary competition among the student teams will be conducted in conjunction with the National competition. This preliminary competition will result in four finalist teams, which will advance to a championship game at the finals. The Student Finals competition will consist of two semi-final games of ten minutes each and a Student Championship game lasting 15 minutes.
- D. All other issues relating to the Student Sputum Bowl competition will be governed by the rules governing the Practitioner Sputum Bowl competition and contained here or in the Timetable and Format. Student Sputum Bowl context, structure and resources will be provided by the AARC Sputum Bowl Committee, including question bank, moderators, judges.

# APPENDIX A

## AMERICAN ASSOCIATION FOR RESPIRATORY CARE 2015 National Sputum Bowl Competition Reference List

American Association for Respiratory Care. Clinical Practice Guidelines. CPG's published through June 2015, available at <http://www.aarc.org>.

Cairo J.M. Mosby's Respiratory Care Equipment. 9<sup>th</sup> edition. Elsevier (Mosby – Elsevier) Company. 2014

Buchbinder, S., & Shanks, K. Introduction to healthcare management. 2<sup>nd</sup> edition. Jones & Bartlett Publisher (2007).

Desjardins, T. and Burton, G. Clinical Manifestations and Assessment of Respiratory Disease. 6th edition. Elsevier (Mosby - Saunders) Company. 2011.

Gardenhire, D. Rau's Respiratory Care Pharmacology. 8th edition. Elsevier (Mosby – Saunders) Company. 2012

Global Strategy for the Diagnosis, Management and Prevention of COPD, Global Initiative for Chronic Obstructive Lung Disease (GOLD) 2011. [http://www.goldcopd.org/uploads/users/files/GOLD\\_Report\\_2011.pdf](http://www.goldcopd.org/uploads/users/files/GOLD_Report_2011.pdf)

Guidelines for the Diagnosis and Management of Asthma, Summary Report 2007. National Asthma Education and Prevention Program, Expert Panel Report 3. <http://www.nhlbi.nih.gov/guidelines/asthma/asthsumm.pdf>

Hess, D. R., et al. Respiratory Care Principles and Practice. 2<sup>nd</sup> edition. Jones and Bartlett. 2012.

Heuer, A.J. & Scanlan, C. L. Clinical Assessment in Respiratory Care. 7<sup>th</sup> edition. Elsevier (Mosby – Saunders) Company. 2014.

Kacmarek, R., et al. The Essentials of Respiratory Care. 4th edition. Elsevier (Mosby – Saunders) Company. 2005

Kacmarek, R., Stoller, J., & Heuer, A. (2013). *Egan's Fundamentals of Respiratory Care* (10th ed.). St. Louis, MO: Mosby

Malley, W.J. Clinical Blood Gases: Assessment and Intervention. 2<sup>nd</sup> edition. Elsevier (Mosby – Saunders) Company. 2005.

Oakes, D.F. Oakes' Practitioner's Pocket Guide to Respiratory Care. 8<sup>th</sup> edition. Health Educator Publications Inc. 2013

Pilbeam, S. Mechanical Ventilation. 5th edition. Elsevier (Mosby – Saunders) Company 2012.

Respiratory Care. The Official Journal of the American Association for Respiratory Care. January 2009 through June 2014.

Walsh, B., et al. Perinatal and Pediatric Respiratory Care 3<sup>rd</sup> edition, Elsevier (Mosby – Saunders) Company. 2010.

# **APPENDIX B**

## **QUESTION CATEGORIES**

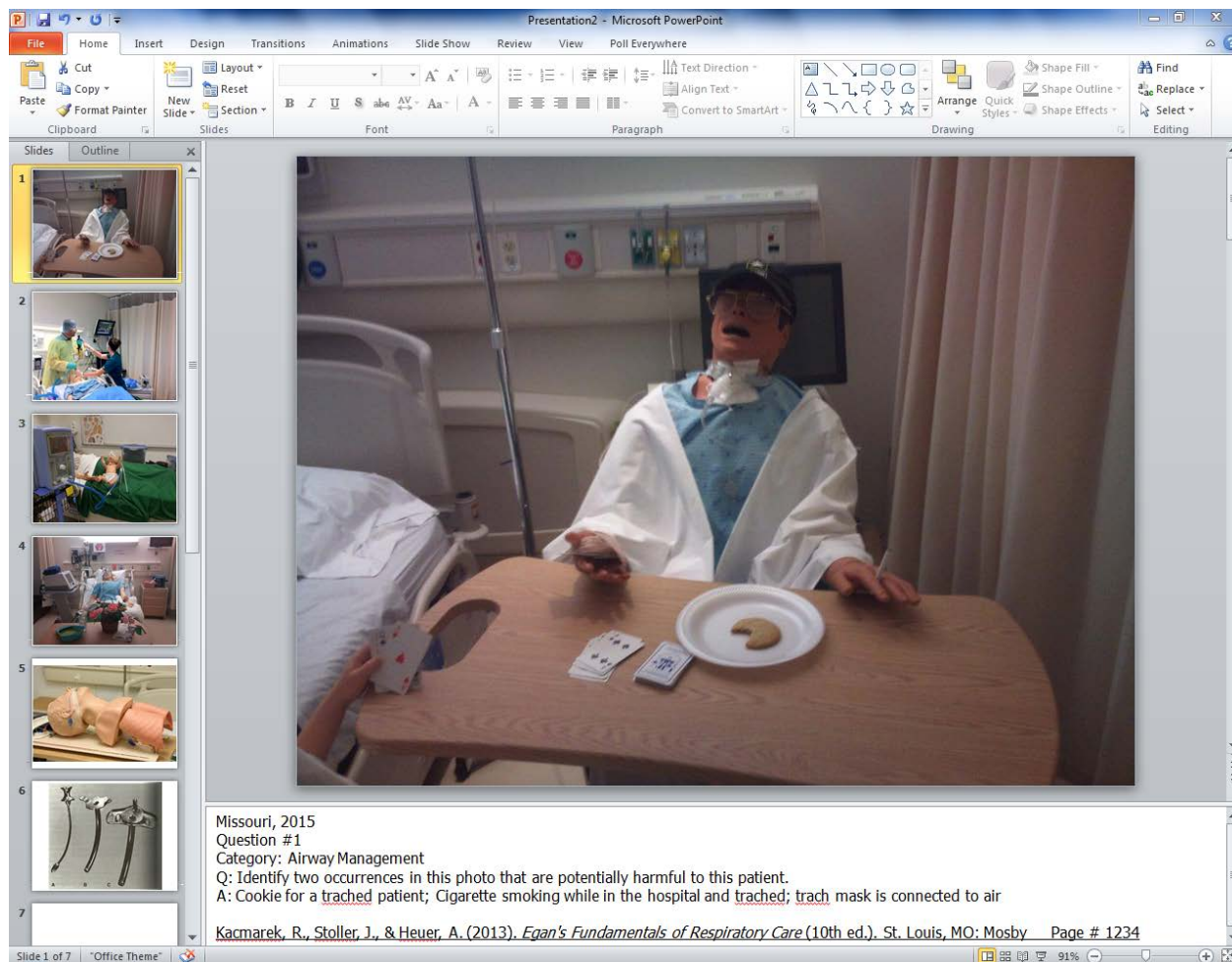
Acute/Critical Care  
Airway Management  
Anatomy and Physiology  
Cardiopulmonary Rehab  
Chemistry/Physics  
Diagnostics  
Gas Therapy  
History  
Humidity/Aerosol  
Management  
Mechanical Ventilation  
Microbiology  
Neonatal/Pediatrics  
Pathology  
Pharmacology  
Patient Assessment  
Bronchial Hygiene  
Home Care/Long Term Care



# APPENDIX C

## WRITTEN VISUAL QUESTION EXAMPLE

**\*\*All visual questions MUST be new and original EACH year. Do NOT send in previously submitted visual questions. Noncompliance with this rule subjects the affiliate's team(s) to disqualification\*\***



The screenshot shows a Microsoft PowerPoint slide titled "Missouri, 2015 Question #1" under the category "Airway Management". The main image on the slide depicts a patient in a hospital bed wearing a tracheostomy mask. On a table in front of the patient, there is a cigarette, a cookie on a plate, and a hand holding a playing card. The slide text includes the question: "Q: Identify two occurrences in this photo that are potentially harmful to this patient." and the answer: "A: Cookie for a trached patient; Cigarette smoking while in the hospital and trached; trach mask is connected to air". The citation at the bottom is "Kacmarek, R., Stoller, J., & Heuer, A. (2013). *Egan's Fundamentals of Respiratory Care* (10th ed.). St. Louis, MO: Mosby Page # 1234".

Missouri Renegade Practitioner, 2015

Question #1

Category: Airway Management

Q: Identify two occurrences in this photo that are potentially harmful to this patient.

A: Cookie for a trach patient, Cigarette smoking while hospitalized, trach mask connected to air

Kacmarek, Stoller, Heuer (2013). *Egan's Fundamentals of Respiratory Care* (10<sup>th</sup> ed.) pg #1234

## DUE DATES AND MAILING ADDRESS

Please submit your completed application, questions and roster no later than the listed due dates. These deadlines are the dates on which the information must be *received* in the AARC Executive office.

	<b><u>Due Date</u></b>
<b><u>Application for Teams Approved at the Affiliate Level</u></b>	<b>June 30, 2015</b>
<b><u>Application for Renegade Teams</u></b>	<b>July 1 – August 31, 2015</b>
<b><u>Visual Submissions and Form</u></b>	<b>August 28, 2015</b>
<b><u>Student team roster</u></b>	<b>September 1, 2015</b>
<b><u>Practitioner team roster</u></b>	<b>September 1, 2015</b>
<b><u>Renegade team roster</u></b>	<b>September 1, 2015</b>
<b><u>Roster revisions</u></b>	<b>October 2, 2015</b>

*\*\*Submission of forms should occur online only. You may locate all required forms at <http://www.aarc.org/resources/programs-projects/aarc-sputum-bowl/> \*\**

If you should have any question, please feel free to call or write:

Annette Phillips  
AARC Convention Department  
9425 N. MacArthur Blvd., Suite #100  
Irving, TX 75063-4706  
972-243-2272 Phone  
972-484-2720 Fax  
[aphillips@aarc.org](mailto:aphillips@aarc.org)

Thank you for your cooperation and Best of luck to everyone!!