This is the updated version of the 2019 AARC Student Sputum Bowl Competition Notebook. PLEASE carefully read the rules. Each team is responsible for understanding the new rules.

May 1, 2019

Dear Affiliate Presidents and State Sputum Bowl Coordinators:

The AARC Program Committee cordially invites your chartered affiliate to participate in the AARC Student Sputum Bowl competition, November 9-12, 2019 in New Orleans, Louisiana. Last year 25 student teams participated in this contest. You and your affiliate's participation in the Student Sputum Bowl competition will make this a highlight of the AARC International Respiratory Congress.

The AARC will hold a Student Sputum Bowl competition as the traditional Student Sputum Bowl contest. Each affiliate is encouraged to send 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 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 2019 Student 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.

Important Student Sputum Bowl Dates:

- Application for AARC Affiliate Student Teams: Opens May 1, 2019
- Application for Renegade Teams: Opens July 1, 2019
- Visual Submissions Deadline: September 16, 2019
- Team Rosters: September 16, 2019
- Roster Revisions Deadline: September 16, 2019
- Team Payment Deadline: September 16, 2019

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 Indianapolis!

Sincerely,

Thomas Lamphere BS, RRT-ACCS, RPFT, FAARC
Chairperson
2019 AARC Student Sputum Bowl Committee
Synopsis of 2019 Rules Changes and Important Reminders

- **RENEGADE TEAMS ARE STILL IN AFFECT!** Each AARC 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 Student 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 2019 Student Sputum Bowl Team Captains are required to attend a Mandatory Meeting on Friday, November 8, 2019 at 5:30 p.m. All team members are encouraged to attend this meeting. We will provide new players with a review of the Rules of Competition and to present basic strategies. **This session is optional for non-Team Captains, but highly recommended.** In the event of not being able to attend the orientation session, please email the Sputum Bowl Chair in advance to confirm that your team will be present to compete in the preliminaries.

- **ALL** teams must pay a $75 non-refundable registration fee when submitting their application to play.

- A reminder regarding AARC membership: If a team member’s AARC membership is due to expire any time prior to September 16, 2019, the **renewal must be completed prior to the September 16th form submission deadline.** All team members of the 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.

- **GAME CONDUCT:** No alcoholic beverages of any kind are permitted at the competition table during game play.

- 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 2019, all teams are 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 2019 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**.
- Respiratory Care The Official Journal of the American Association for Respiratory Care. Now includes the issues between January 2011 through March 2019

Please use only those books and journals from the appropriate edition that are included on the 2019 Reference List (Appendix A).

**Visual submissions must be received by September 16, 2019 and ARE mandatory for a team to participate at the National competition.**

The Sputum Bowl Committee looks forward to another great competition in Las Vegas, Nevada. Please adhere to the all the deadlines and rules in doing your part to make the 2019 Sputum Bowl a success.
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 Student 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 NOT 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 Student division. See the rules in section V.D.

G. A maximum of 4 teams represent any affiliate. (Example: 4 teams may represent California in the Student bowl – 1 affiliate supported and 3 renegade.)

V. Sputum Bowl Team Composition

A. A team shall consist of at least three and not more than four (4) Respiratory Care student team members.

B. Member Eligibility

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 student competition.
C. Affiliate Team Eligibility

1. Application for student and renegade teams in the Student Sputum Bowl competition at the AARC International Congress must be received by the Sputum Bowl Committee no later than September 16, 2019. See section V.D for more information regarding Renegade teams.

2. Submission of 10 visual images shall be made to the Committee by September 16, 2019 allow for proper review prior to the contest.

3. The team roster shall be submitted to the Committee by September 16, 2019 to determine eligibility. No emergency roster changes will be accepted after September 16, 2019.

4. Teams MUST pay a $75 non-refundable registration fee to hold a spot for play at the Student Sputum Bowl. Payment is due by September 16, 2019.

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 Student 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 $75 non-refundable registration fee to hold a spot for play at the Student Sputum Bowl.

7. Renegade teams that apply to play and then do not show up to play at the competition will NOT be eligible to receive the refundable deposit.

8. NO MORE THAN 3 Renegade teams per state 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.

2. Finals will be of a single elimination format for the four teams remaining after preliminary competition.

3. Preliminaries will be played, in a double elimination format, until only 4 teams remain. The remaining four teams will advance to Finals.

4. Teams matches will be paired using a randomization program.
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/she 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 time clock will then be set to 10 seconds. The “Expert” must be readily available to join the team for the single question; upon joining the team the clock will start counting down from 10 seconds. The team will have 10 seconds total to begin an answer. If the allotted time to answer the question has passed the moderator may move on to the opposing team and reread the question. If both teams have been read the question the moderator will proceed on with the round. “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 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.

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. Examples in which the situation mentioned above may occur could be a poorly worded question read by the moderator that elicited an incorrect answer from Team A due to the wording or if the moderator recognizes that the question has already been presented. The moderator will state that the question is being thrown out and instruct the scorekeeper how to adjust the score, if needed, and the timekeeper when to resume the time. 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, year of submission. 
   **Ex: MORenegadeStudent2019**
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, 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 student 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.

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%
I. 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. The team captain is required to get the protest form from the Sputum Bowl Chair. The form must be completed in its entirety and returned to the Sputum Bowl Chair by the team captain by the conclusion of the following match.

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. The AARC Sputum Bowl Committee will conduct a Student Sputum Bowl competition at the International Congress.

B. As part of your participation, each team member will receive a free student-level Congress registration. However, please note, a student-level registration does not allow you to earn CRCE. If you have graduated and would like to earn CRCE at this year’s Congress, you will need to register at the Active-level, paying the full amount.

C. 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 Student 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 September 16, 2019.

D. 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.

E. All other issues relating to the Student Sputum Bowl competition will be governed by the rules 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.
**AMERICAN ASSOCIATION FOR RESPIRATORY CARE**  
**2019 Student Sputum Bowl Competition**  
**Reference List**


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<thead>
<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Edition</th>
<th>Publisher</th>
<th>Year</th>
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<td>Beachey, W.</td>
<td>Respiratory Care Anatomy and Physiology: Foundations for Clinical Practice</td>
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<td>Heuer, A.J. &amp; Scanlan, C. L.</td>
<td>Clinical Assessment in Respiratory Care</td>
<td>7th</td>
<td>Elsevier (Mosby – Saunders) Company</td>
<td>2014</td>
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<tr>
<td>Kacmarek, R., Stoller, J., &amp; Heuer, A.</td>
<td>Egan’s Fundamentals of Respiratory Care</td>
<td>11th</td>
<td>St. Louis, MO: Mosby</td>
<td>2017</td>
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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
Missouri Renegade Practitioner, 2016
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 (10th 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.

Due Date

- Application for Student and Renegade Teams: September 16, 2019
- Visual Submissions: September 16, 2019
- Team Rosters: September 16, 2019
- Roster Revisions: September 16, 2019

**Submission of forms should occur online only. All required forms can be found HERE**

If you should have any questions, please feel free to call or email:

Pam Russell
AARC Convention Department
9425 N. MacArthur Blvd., Suite #100
Irving, TX 75063-4706
972-243-2272 Phone
972-484-2720 Fax
pam.russell@aarc.org

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