

4/8/2024



Dear Sputum Bowl Participants:

The OSRC Program Committee cordially invites your student team to participate in the OSRC Sputum Bowl competition, July 29-30, 2024 in Columbus, Ohio. The winning student team will go on to represent the OSRC at the AARC National Student Sputum Bowl Competition. Ohio has been well represented at the National Sputum Bowl in years past, and this year will be no exception!

The National Sputum Bowl Competition is again allowing Renegade Teams to compete in the competition. So, even if you don't win the State Competition, you can still compete at the National Competition. Ohio can send one affiliate sponsored team and three other teams can participate as well! The student team cost to participate in the OSRC Student Sputum Bowl Competition is \$160.00; this includes each team members' conference fee. The entire payment needs to be received at the time of registration. Additionally, each team member needs to fill out an individual conference registration form. You may pay by check or credit card, please visit the OSRC website for the link to pay online [OSRC 2024 SPUTUM BOWL COMPETITION! – Ohio Society for Respiratory Care](#)

The 2024 Sputum Bowl Rules and all required forms are included in this email. Please review the rules carefully and make certain your team members review them as well. The deadlines for the enclosed forms are as follows, with receipt by email preferable:

Application/Payment	May 14, 2024
Team Roster	May 14, 2024
Visual and Oral Questions	June 3, 2024 - *20 Oral Questions and 5 Visuals
Team Roster Revisions	July 1, 2024

If you have any questions, please feel free to email me at anita.arnsperger@cchmc.org or call me at 859-801-3934. We await your team's entry and look forward to seeing you in Columbus!

Sincerely,

Anita Arnsperger

DUE DATES AND MAILING ADDRESSES

Please return your completed application, questions and roster no later than the listed due dates above. These deadlines are the dates on which the information must be *received* by the OSRC Sputum Bowl Coordinator.

Please return the completed application and registration fee to:

OSRC Sputum Bowl
3757 Indianola Ave
Columbus, OH 43214

Or complete the application and pay online

[OSRC 2024 SPUTUM BOWL COMPETITION! – Ohio Society for Respiratory Care](#)

Please submit visual questions, team roster, and roster revisions along with a copy of your application to (email preferred):

Anita Arnsperger
Phone 859-801-3934

Email: anita.arnsperger@cchmc.org

If you should have any questions, please feel free to call or email. Thank you for your cooperation.

PLEASE READ CAREFULLY!!!

Five Visual question submissions are **REQUIRED** for each team to be eligible to compete in the 2024 State Sputum Bowl Competition. In addition, in an effort to update the traditional oral question pool available, each team is also asked to submit 20 oral questions. At the state level we will follow the same guidelines as the 2024 AARC National Sputum Bowl Competition. All visual and oral submissions **MUST** be new and original **EACH** year. Do **NOT** send in previously submitted questions.

To Access the Rules and Regulations for Visual and Oral Questions for the 2024 National Competition Ctrl+Click the Link Below:

[National Sputum Bowl Rules Notebook](#). Or see below:

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Each question must have the ability to be referenced to the **2024 Reference List (Appendix A)**. Please use only those books and journals from the appropriate edition that are included on the 2024 Reference List (Appendix A) Appendix A can be located on the next page.

APPENDIX A – 2024 APPROVED REFERENCE LIST

APPENDIX A

<p style="text-align: center;">AMERICAN ASSOCIATION FOR RESPIRATORY CARE 2024 Student Sputum Bowl Competition Reference List</p>
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- American Academy of Pediatrics. (2021). *Textbook of neonatal resuscitation* (8th edition). American Academy of Pediatrics.
- American Association for Respiratory Care. (2023, November 20). *Evidence-based clinical practice guidelines*. Clinical Practice Guidelines. <https://www.aarc.org/resources/clinical-resources/clinical-practice-guidelines/>
- American Heart Association. (2020). *Advanced cardiac life support 2020 guidelines*. American Heart Association.
- American Heart Association. (2020). *Pediatric advanced life support 2020 guidelines*. American Heart Association.
- Beachey, W. (2022). *Respiratory care anatomy and physiology: Foundations for clinical practice* (5th edition). Elsevier.
- Buchbinder, S.B., Shanks, K., & Kite, B.J. (2020). *Introduction to healthcare management* (4th edition). Jones & Bartlett Learning.
- Cairo J.M. (2021). *Mosby's respiratory care equipment* (11th edition). Elsevier.
- Cairo, J.M. (2019). *Pilbeam's mechanical ventilation: Physiological and clinical applications* (7th edition). Elsevier.
- Des Jardins, T., & Burton, G.G. (2023). *Cardiopulmonary anatomy & physiology: Essentials for respiratory care* (7th edition). Elsevier.
- Des Jardins, T., & Burton, G.G. (2023). *Clinical manifestations and assessment of respiratory disease* (9th edition). Elsevier.
- Gardenhire, D.S. (2023). *Rau's respiratory care pharmacology* (11th edition). Elsevier.
- Global Initiative for Chronic Obstructive Lung Disease. (2024). *Global strategy for the prevention, diagnosis and management of COPD: 2024 report*. Gold Reports. <https://goldcopd.org/2024-gold-report/>
- Global Initiative for Asthma. (2023). *2023 GINA report, global strategy for asthma management and prevention*. GINA Reports. <https://ginasthma.org/2023-gina-main-report/>
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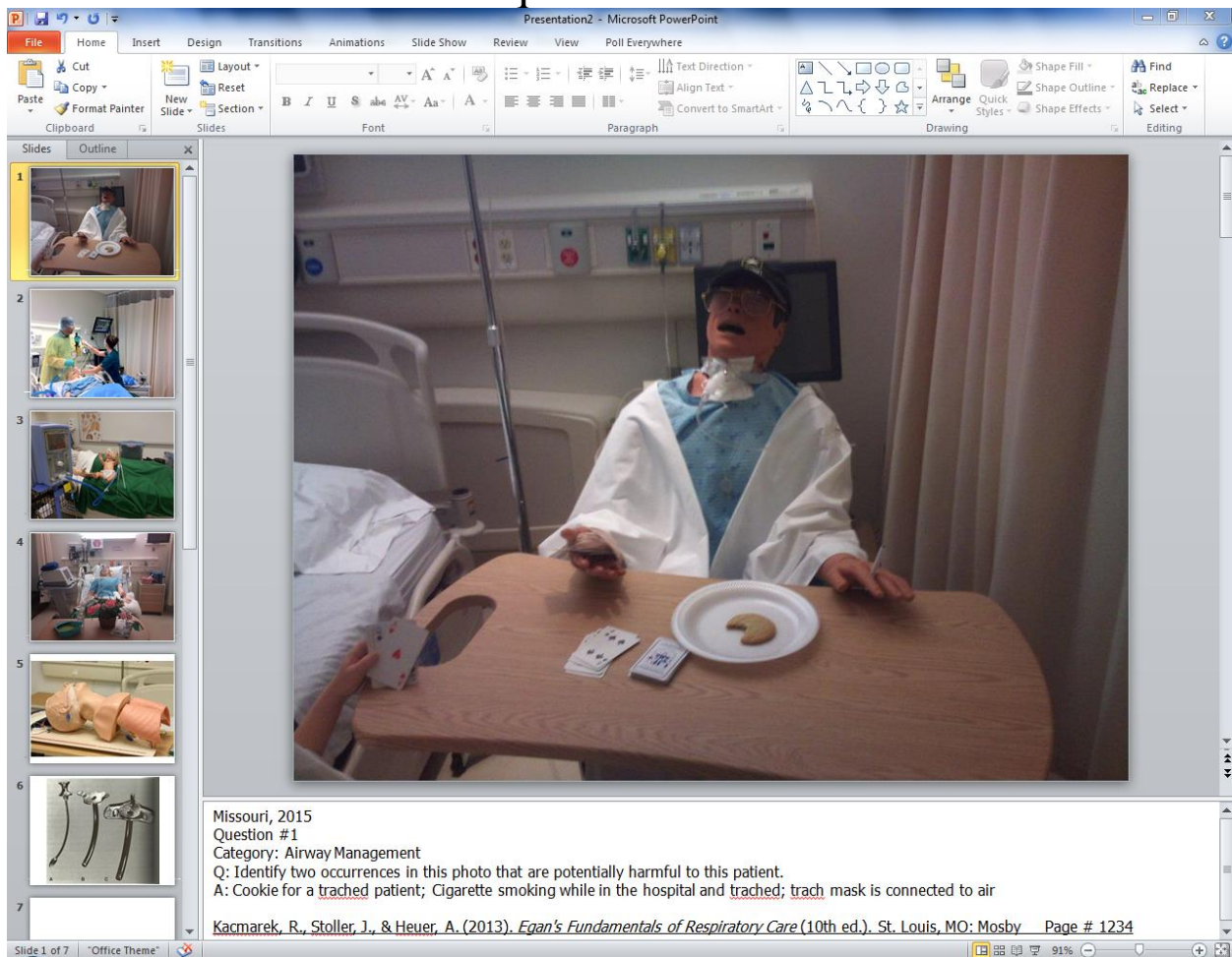
**APPENDIX B – 2024 APPROVED
QUESTION CATEGORIES**

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

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****



Missouri, 2015
Question #1
Category: Airway Management
Q: Identify two occurrences in this photo that are potentially harmful to this patient.
A: Cookie for a trached patient; Cigarette smoking while in the hospital and trached; trach mask is connected to air

Kacmarek, R., Stoller, J., & Heuer, A. (2013). *Egan's Fundamentals of Respiratory Care* (10th ed.). St. Louis, MO: Mosby Page # 1234

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

- 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.
- One question per slide. Use a different question category for each slide. Create all 6 slides in one document.
- Place the photo on the slide, and write each question in the notes section for the corresponding slide.
- Enlarge the photo to cover the entirety of the slide.
- Do not use images that distort extensively when enlarged.
- 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”.

- Please submit only 6 ORIGINAL images by the deadline noted in these rules.
- 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).

- 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

- 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. Release forms should be obtained from your hospital or other employer.

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%

SPUTUM BOWL APPLICATION

DUE: May 14, 2024

We wish to sponsor a team to be entered in the Annual OSRC Sputum Bowl Competition.

Organization Name: _____

Team Name: _____

The Sputum Bowl is a membership service and is available to all AARC members through their affiliate. Rules outlining and governing the organization and occurrence of the Sputum Bowl have been submitted to each affiliate President or State Sputum Bowl Coordinator. The entire application packet and rules have been placed on www.OSRC.org

Each team's actions will be governed by these rules, prior to and during the actual competition.

We, the _____ team agree to:

- B. Submit 5 visual questions for the question pool to be used for the Sputum Bowl. These questions are to be submitted by June 3, 2024 and are to be in proper format using the prescribed references as outlined in the 2024 rules. In addition, we will submit 20 traditional oral questions in the proper format as outlined.
- C. Submit a complete listing of team members and work/school addresses. We understand that this roster is to be received no later than May 14, 2024 and that any changes must be received to the OSRC Sputum Bowl Coordinator no later than July 1, 2024.
- D. Have EACH team member complete a conference registration form. Full payment for the entire team must accompany the team's conference registration forms.

The following individual is our Team's Contact Person (Team Captain)

NAME: _____

ADDRESS: _____

HOME PHONE: (_____) _____

E-MAIL ADDRESS: _____

SPUTUM BOWL QUESTIONS FORM

DUE: June 3,2024

The following individual is responsible for submitting the enclosed Sputum Bowl questions for our team:

Organization: _____

Name: _____

Address: _____

Work Phone: () _____

Home Phone: () _____

E-Mail: _____

NOTE: IT IS HIGHLY RECOMMENDED THAT YOU RETAIN COPIES
OF YOUR ELECTRONIC IMAGES AND QUESTIONS IN CASE THE
ORIGINALS ARE LOST IN THE EMAIL PROCESS.

CHECK LIST

Please use this checklist in order to insure that your team's questions meet the rules for acceptance.

- visual questions **(in Powerpoint format as outlined)**
- oral questions **(in format outlined)**
- All questions are from the 2024 Reference List (Appendix A)
- Visuals are in electronic format and printed questions are formatted correctly in the Notes section of powerpoint.
(Appendix C)

O.S.R.C.
STUDENT SPUTUM BOWL COMPETITION TEAM ROSTER

DUE: May 14,2024

Each member requires the RC Program Director's signature. Please print legibly.

Organization: _____

Team Captain

AARC MEMBER NUMBER _____ Exp. Date _____

Name _____ E-Mail _____

Cell Phone () _____ Home Phone () _____

Respiratory Care Program _____

Program Dir _____ Director's Phone () _____

Prog. Dir. Signature _____ Projected/Actual Graduation Date _____

RC Program Address _____

City _____ State _____ Zip _____

Team Members

AARC MEMBER NUMBER _____ Exp. Date _____

Name _____ E-Mail _____

Day Phone () _____ Home Phone () _____

Respiratory Care Program _____

Program Dir _____ Director's Phone () _____

Prog. Dir. Signature _____ Projected/Actual Graduation Date _____

AARC MEMBER NUMBER _____ Exp. Date _____

Name _____ E-Mail _____

Day Phone () _____ Home Phone () _____

Respiratory Care Program _____

Program Dir _____ Director's Phone () _____

Prog. Dir. Signature _____ Projected/Actual Graduation Date _____

AARC MEMBER NUMBER _____ Exp. Date _____

Name _____ E-Mail _____

Day Phone () _____ Home Phone () _____

Respiratory Care Program _____

Program Dir _____ Director's Phone () _____

Prog. Dir. Signature _____ Projected/Actual Graduation Date _____

Student Sputum Bowl Registration Form

**The Annual Ohio State Respiratory Care Meeting and Conference on
July 29-30, 2024**

PLEASE CLEARLY PRINT THE FOLLOWING INFORMATION:

NAME: _____ AARC# _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

EMPLOYER/ SCHOOL: _____

Please enter you Email address below. One letter or symbol per space

PLEASE PRINT CLEARLY

Do you want you registration confirmed by email? YES NO

Can we use your email address for other important OSRC emails? YES NO

I will be attending on (Please circle the appropriate days) MON TUES

PLEASE NOTE

A SINGLE check is acceptable for multiple registrations, (i.e. schools, departments, sputum bowl teams) but please **COPY** this page and send **SEPARATE** registration forms for each person. If multiple checks are being utilized, then each team member must send a separate registration form with each check.

CATEOGORY	FEE (2 day)	FEE (1 day)
Student Sputum Bowl Participant	\$160.00 (per team of 4)	-----

REGISTRATION NOTE- After June 30, 2024 NO REFUND will be given

Total Amount enclosed for the registrant \$ _____

If wishing to pay by credit card, please see the link to register on the OSRC.org website. Please contact me if you need assistance.

Make checks or money orders payable to: Ohio Society for Respiratory Care 3757 Indianola Ave, Columbus, OH 43214

* **ATTENTION AARC non-members** – Student Memberships can be purchased at www.aarc.org

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

Important Reminders

- A reminder regarding AARC membership: If a team member's AARC membership is due to expire any time prior to June 30, 2024, *the renewal must be completed prior to the June 30, 2024 roster changes deadline*. All team members for the Student Sputum Bowl competition must have their AARC membership current.
- 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.

Synopsis of 2024 Rules Changes and Important Reminders

- A team may register to compete in this year's event regardless of any affiliation or standing they may have in
- their state (i.e. state or regional champion).
- There will be no limit to the number of teams that can register from any individual state or individual RT program.
- Submission of written and/or visual questions by teams will NOT be required. All questions will be written and
- prepared by the AARC Sputum Bowl Committee.
- All team members must be a member of the AARC to be eligible to compete in the Sputum Bowl.

- The AARC Annual Meeting policy prohibits recording devices of any kind during contests.
- There will be no adjustments to the game schedules. If team members anticipate a potential conflict with other
- commitments at the AARC Congress, they should plan accordingly and ensure at least one team member is
- there to compete (if no team members are present, the game is forfeited). 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.
- 3
- “Ask an Expert or Call Your Posse”
- 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.
- 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

ANY ADDITIONAL INFORMATION ABOUT RULES AND REGULATIONS PLEASE go to: [aarc-sputum-bowl-rulebook.pdf](#)