



City of Sun Prairie EMS

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1. **Purpose:**

The Sun Prairie Emergency Medical Services Rapid Sequence Airway Program (RSA Program) provides advanced airway capabilities, specifically rapid sequence airway and intubation, to properly identified patients requiring such definitive airway management.

2. **City of Sun Prairie Policy:**

This policy will follow the guidelines found in the City of Sun Prairie Prehospital Patient Care Protocols, to include the following:

3. **Policy:**

The Sun Prairie EMS RSA Program exists for the benefit of patients treated and transported by the Department. Careful consideration regarding inclusion criteria, exclusion criteria, and skill competency are all necessary for successful completion of the procedure. RSI utilizes a sedative, a short term paralytic, and a long term paralytic when necessary. Because of the nature of RSA, and low frequency of deployment, not all paramedics may be eligible and close scrutiny is required. The Service Medical Director (SPEMSMD) must play a key role in the training and evaluation of the effectiveness of the program. In order to complete the RSA procedure on a patient, the employee must meet the following:

- ✓ Employed and in good standing as an FTE Paramedic
- ✓ Complete initial program education and skills review
- ✓ Complete continuous improvement education and skills maintenance
- ✓ Intimate knowledge of the City of Sun Prairie Prehospital Patient Care Protocols
- ✓ Maintain a live intubation proficiency acceptable to the SPEMSMD
- ✓ Maintain approval of the SPEMSMD

4. **Procedure:**

The components that must be completed by each employee in the RSA Program, in detail, are:

A. Initial program education and skills review will cover the following topics:

- Detailed lecture covering airway anatomy and use of pertinent airway equipment
- Detailed lecture covering medication pharmacology
- Which patient is a candidate for RSA versus which patient is not a candidate
- Hands-on use of intubation equipment, with simulated procedure completion
- Confirmation of education retention through written exam and skill evaluation

B. Technical College Psychomotor and Simulation Course

- Additional review of airway anatomy and structure recognition
- Instills a systemic approach to airway placement

- Uses lecture and manikin simulation to complete the education
- C. Knowledge of the City of Sun Prairie Prehospital Patient Care Protocols
 - Indications for appropriate use of the procedure.
 - Indications, Contraindications and Adverse Effects of all medications:
 - a. Etomidate
 - b. Succinylcholine
 - c. Rocuronium
 - d. Midazolam
 - e. Ketamine
 - Airway placement once paralyzed
 - a. Bag-Valve-Mask ventilation
 - b. VividMed computer application
 - c. Laryngoscope
 - VividTrac = Primary
 - Direct Laryngoscopy = Secondary/Back-up
 - d. Pass the airway
 - Endotracheal Tube
 - King LTS-D
 - e. Confirmation of placement
 - EtCO₂
 - Physical assessment
 - f. Secure airway and continued ventilations
- D. Continuous improvement education and skills maintenance
 - SPEMSMD will review each field use of the RSA procedure for appropriate use of the procedure itself and effective completion of the skills involved.
 - Employees in the program must to maintain their baseline skills through training
 - Employees must show a minimum of three (3) successful intubations monthly.
 - a. Live attempts may be used, but if no live attempts were made, manikins will be used to provide simulation.
 - b. Direct laryngoscopy will be used for one of the monthly intubations.
- E. SPEMSMD Approval of each employee:
 - Approval of each employee is at the discretion of the SPEMSMD.
 - Overall competency of skills and protocol will be evaluated by the SPEMSMD.
 - Approval may be rescinded by the SPEMSMD at any time and for any reason
 - Annual re-evaluation of skill and protocol competency will be completed.
- F. Field Application of the RSA Procedure:
 - The RSA Procedure may be used in the patient care setting as defined by the Sun Prairie EMS Prehospital Patient Care Protocol.
 - At least one SPEMSMD approved paramedic must be with the patient to initiate the procedure.

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- If no approved paramedic is involved in the current EMS incident, then the procedure may not be performed.
- Any non-approved employee may assist with the procedure as follows:
 - a. Preparation of all required equipment and supplies
 - b. Pre-oxygenation until the first medication in the procedure is administered
 - c. Dosage calculation, drawing and administration of medication
 - d. Confirmation of airway placement
 - e. Ventilations once an advanced airway has been placed successfully and secured
- Any non-approved employee will not make the decision to initiate the procedure and will not manage any part of the airway until the advanced airway has been successfully placed.