



MEDICAL DIRECTIVE
Insertion of Arterial Lines by Anesthesia Assistants

Approved by/Date: Medical Advisory Committee – May 24, 2011

Authorizing physicians

Anesthetists, Lakeridge Health Oshawa, Department of Anesthesia. The authorizing Anesthetists will assess the ability of the Anesthesia Assistant to use appropriate knowledge, skill and judgment to implement the medical directive.

Authorized to who

Designated Anesthesia Assistants who work within the surgical program throughout Lakeridge Health Corporation and who have the following qualifications:

- Registration with the College of Respiratory Therapists of Ontario (CRTO) or Registration with the College of Nurses of Ontario (CNO)
- Completion of the Post Graduate Anesthesia Assistant Certificate Program at the Michener Institute.
- Current in ACLS (i.e. certification within the last 2 years)
- Competent to perform intravenous and arterial line insertions.
- Competent to perform endotracheal intubation, laryngeal mask insertion, and extubation

Patient Description / Population

This medical directive applies to patients 16 years of age and older.

Medical Directive Description/Physician's Order

The Anesthesia Assistant can implement the medical directive for the Insertion of Arterial Lines by Anesthesia Assistants for patients receiving general, regional, or local anesthesia who are under the supervision of an attending anesthetist.

Specific conditions/circumstances that must be met before the Directive can be implemented

The directive should be implemented in the situation where continual patient blood pressure measurements are required (specifically Thoracic and Vascular surgery). In other instances an order is required for the AA to insert an arterial line.

Contraindications to the implementation of the Directive

1. If there has been previous surgery at the puncture site.
2. If a previous arterial graft has been performed at the puncture site.
3. If any disorder of coagulation exists.
4. If a patient is receiving anticoagulant drugs.
5. If the artery is thrombosed.
6. If any signs of infection, hematoma or swelling exists at the puncture site.
7. If any signs of arterial insufficiency in the limb such as pallor, cyanosis, or decreased temperature exist.

Identify relevant Delegated Control Act or Added Skill associated with this Directive

Controlled Act Number 2. Performing a procedure on tissue below the dermis
The Respiratory Therapy Act, 1991.
The Nursing Act, 1991.

Documentation requirements

Document on Anesthesia Record Sheet.

Review/Evaluation Process (how often/by who)

The Medical Directives for the Insertion of Arterial Lines by Anesthesia Assistants should be reviewed annually to ensure the following: current content, appropriateness of use and updating of physician and staff authorization lists. It is the responsibility of the Department of Anesthesia members to monitor quality issues associated with medical directive implementation

References

College of Respiratory Therapists of Ontario (CRTO), Interpretation of authorized acts, May 1999

The Controlled Acts Model Regulated Health Professions Act (1991)

The Respiratory Therapy Act, 1991

The Nursing Act, 1991.

Public Hospital Act, R.R.O. 1990

Medical Directive: Insertion of Arterial Lines by Anesthesia Assistants

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Main Contact:	<u>Dr. J. Maybee</u> Name	<u>Chief of Anesthesia</u> Position/Title	<u>Surgical Program</u> Program
Contact:	<u>Leslie Motz</u> Name	<u>Director</u> Position/Title	<u>Surgical Program</u> Program
Authorized by:	<u>Anesthetists, LHO, Dept. of</u> <u>Anesthesia</u> Physicians	<u>June – Aug 2011</u> Date	Contact Medical Affairs Office for details re authorizing physicians & original signature document.

Approvals and Signatures: (Original signature document available in Medical Affairs Office)

Department Chief:	<u>Dr. John Maybee</u> Name	<u>Dr. J. Maybee</u> Signature	<u>Sept 14, 2011</u> Date
Medical Director:	<u>Vacant</u> Name	<u></u> Signature	<u></u> Date
Program Director:	<u>Leslie Motz</u> Name	<u>L. Motz</u> Signature	<u>Sept 14, 2011</u> Date
Chair of Inter-Professional Advisory Comm.:	<u>Sherida Chambers</u> Name	<u>S. Chambers</u> Signature	<u>Sept 21, 2011</u> Date
Chair of CNAC:	<u>Sherida Chambers</u> Name	<u>S. Chambers</u> Signature	<u>Sept 21, 2011</u> Date
Chair of P & T Comm:	<u>Dr. Ian Lenga</u> Name	<u>Dr. I. Lenga</u> Signature	<u>Aug 9, 2011</u> Date
Final Approval Chair of MAC:	<u>Dr. Murray Treloar</u> Name	<u>Dr. M. Treloar</u> Signature	<u>Sept 8, 2011</u> Date