E-supplement 1: Survey

INTRAOPERATIVE TRANEXAMIC ACID ADMINISTRATION DURING CARDIAC SURGERY IN CANADA

Part I – Tranexamic acid administration

1 – Which antifibrinolytic(s) do you use most often in your cardiac anesthesia practice (select all that apply; if none, please move to part II)?

|  |  |  |  |
| --- | --- | --- | --- |
| Tranexamic acid | ε-aminocaproic acid | Aprotinin | Other ( please list) |

2 – To what proportion of patients undergoing cardiac surgery on cardiopulmonary bypass (CPB) do you administer tranexamic acid?

|  |  |  |
| --- | --- | --- |
| All patients | Selectively to some but not all patients | None |

3 – When you administer tranexamic acid to patients undergoing cardiac surgery on CPB, do you give it:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| As an infusion | As a single bolus | As two or more boluses | As an infusion after a bolus | Other (please describe) |

4 – When you give tranexamic acid, when do you start to administer it?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Pre-induction | Pre-incision | Post-incision, pre-CPB | On CPB | After coming off CPB |

5 – When you give tranexamic acid, when do you stop administering it?

|  |  |  |  |
| --- | --- | --- | --- |
| When the chest is being closed | Timed to protamine administration | Once a specific dose has been administered | Other (please describe) |

6 – What informs your choice of dose (please select all that apply)?

|  |  |  |  |
| --- | --- | --- | --- |
| Patient body weight | Procedure type | Length of the case | Duration of CPB |
| Estimated risk of bleeding | Local practice | Published evidence | Other (please specify) |

7 – If you give tranexamic acid as one or more boluses (and no infusion), how much do you administer in total (mg/kg):

|  |  |  |  |
| --- | --- | --- | --- |
| 10mg/kg | 30 mg/kg | 50 mg/kg | 100 mg/kg |
| Other (please specify) | This does not apply to my practice |  |  |

8 – If you give tranexamic as a bolus plus infusion, what regimen do you follow?

|  |  |  |  |
| --- | --- | --- | --- |
| 10mg/kg load followed by 1mg/kg/hour | 30mg/kg load followed by 16mg/kg/hour | Other (please describe) | This does not apply to my practice. |

9 – If neither of the regimes described in questions 7 and 8 apply to your practice, please describe how you typically administer tranexamic acid to patients undergoing on-pump cardiac surgery (text box).

Part II – Demographic data

1 – How long have you been practicing anesthesia as a licensed practitioner?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ≤ 5 years | > 5 to 10 years | >10 to 15 years | >15 to 20 years | >20 years |

2 – How long have you been practicing cardiac anesthesia?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ≤ 5 years | > 5 to 10 years | >10 to 15 years | >15 to 20 years | >20 years |

3 – How many years of cardiac anesthesia fellowship have you completed?

|  |  |  |  |
| --- | --- | --- | --- |
| 0 | 1 | 2 | ≥ 3 |

4 – Approximately what proportion of your practice is cardiac anesthesia?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| <20% | 21 – 40% | 41 – 60% | 61 – 80% | 81 - 100% |

5 – In what province/territory do you currently practice Anesthesia?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| British Columbia | Manitoba | Alberta | Nova Scotia | Saskatchewan |
| Ontario | Quebec | New Brunswick | Newfoundland and Labrador |  |