**Supplemental table 1.** Risk of MI in relation to hypotension. Odds Ratios after adjusted for intraoperative risk factors; blood loss >1800 mL, postop Hb <85 mg/L fluid balance >2000 mL, hypoxia.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Risk factor** | **Preoperative BP**† | | **Day of MI**‡ | | **Risk group**§ | | **Tachycardia**|| | |
| **Hypotensive event\*** | <140 mmHg | ≥140 mmHg | 1-2 | >2 | Low | High | No | Yes |
| ≤20 mmHg (ref) |  |  |  |  |  |  |  |  |
| 21-40 mmHg | 1.12 (0.22-5.64) | 1.75 (0.39-7.74) | 1.77 (0.38-8.21) | 1.04 (0.25-4.28) | 0.53 (0.06-4.36) | 1.70 (0.50-5.82) | 2.68 (0.22-5.64) | 0.57 (0.58-12.3) |
| 41-50 mmHg | 3.23 (0.65-16.0) | 3.60 (0.84-15.5) | 4.37 (0.75-25.4) | 2.89 (0.69-12.1) | 1.74 (0.26-11.8) | 3.78 (0.97-14.8) | 5.97 (0.65-16.0) | 14.5 (1.26-28.2) |
| >50 mmHg | 31.9 (6.19-164) | 20.9 (5.83-75.2) | 43.7 (7.83-244) | 13.3 (3.47-50.6) | 7.08 (1.24-40.5) | 38.7 (9.68-155) | 47.1 (6.19-164) | 52.8 (10.2-217) |
| P-value\*\* | 0.74 | | 0.62 | | 0.47 | | 0.42 | |

\* Decrease in SBP, defined as an absolute decrease (mmHg) relative to baseline, for >5 min

† Stratified by preoperative BP (<140 mmHg vs ≥140 mmHg)

‡ Stratified by postoperative day of MI (day 1-2 vs > day 2)

§ Stratified by risk group (low; risk group 1 to 3 vs high; risk group 4 to 5)

|| Stratified by intraoperative tachycardia; >110 bpm >5 minutes

\*\* P-value from interaction tests

**Supplemental table 2.** Adjusted Odds Ratios of MI in relation to different definitions of intraoperative hypotension, categorized into quartiles.

| Risk factor | OR\*  (95% CI) | OR†  (95% CI) | OR‡  (95% CI) |
| --- | --- | --- | --- |
| Hypotensive event Q1 | ref | ref | ref |
| Q2 | 1.37 (0.48-3.92) | 1.73 (0.62-4.86) | 2.43 (1.11-5.31) |
| Q3 | 3.42 (1.13-10.3) | 3.72 (1.41-9.83) | 4.15 (1.74-9.90) |
| Q4 | 22.6 (7.69-66.2) | 26.8 (9.53-75.6) | 24.2 (9.08-64.3) |
| AIC§ | 214 | 210 | 226 |

\* Decrease in SBP from baseline for >5 min, defined as an absolute decrease (mmHg) relative to baseline;

≤20, 21-40, 41-50, >50 (mmHg)

† Decrease in SBP from baseline for >5 min, defined as a percentage decrease relative to baseline;

≤20, 21-30, 31-40, >40 (%)

‡ Decrease in SBP for >5 min, defined as absolute thresholds;

≥110, 90-110, 80-90, <80 (mmHg)

§ Akaike Information Criterion

**Supplemental table 3.** Frequency of Intraoperative hypotension in the 3 surgical sites;

Karolinska-, Lund- and Malmö University Hospital.

|  |  |  |  |
| --- | --- | --- | --- |
| Hypotensive event \* | Karolinska N=266 | Lund  N=106 | Malmö  N=280 |
| (mmHg) ≤20 | 49 (18) | 18 (17) | 30 (11) |
| 21-40 | 57 (21) | 17 (16) | 53 (19) |
| 41-50 | 33 (12) | 25 (24) | 37 (13) |
| >50 | 127 (48) | 46 (43) | 160 (57) |
|  |  |  |  |

\* Decrease in SBP for >5 min, defined as an absolute decrease (mmHg) relative to baseline.

**Supplemental table 4**. Frequency of intraoperative hypotension in acute vs elective surgery.

|  |  |  |
| --- | --- | --- |
| Hypotensive event \* | Elective | Acute |
| (mmHg) ≤20 | 30 (10) | 67 (19) |
| 21-40 | 48 (17) | 79 (22) |
| 41-50 | 45 (16) | 50 (14) |
| >50 | 167 (58) | 166 (46) |
|  |  |  |

\* Decrease in SBP for >5 min, defined as an absolute decrease (mmHg) relative to baseline.

**Supplemental table 5**. Frequency of Intraoperative hypotension in different surgical procedures.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Hypotensive event \* | Breast  N=8 | Ophthalmic  N=4 | ENT  N=24 | Neuro  N=66 | GI  N=110 |
| (mmHg) ≤20 | 1 (13) | 0 | 2 (8) | 16 (24) | 7 (6) |
| 21-40 | 1 (13) | 1 (25) | 6 (25) | 14 (21) | 20 (18) |
| 41-50 | 0 | 1 (25) | 6 (25) | 10 (15) | 12 (11) |
| >50 | 6 (75) | 2 (50) | 10 (42) | 26 (39) | 71 (65) |
|  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Hypotensive event \* | Urology  N=64 | Gynecology  N=12 | Orthopedic  N=244 | Vascular  N=112 | Dermatology  N=8 |
| (mmHg) ≤20 | 9 (14) | 0 | 37 (15) | 24 (21) | 1 (13) |
| 21-40 | 9 (14) | 1 (8) | 53 (22) | 20 (18) | 2 (25) |
| 41-50 | 9 (14) | 1 (8) | 41 (17) | 14 (13) | 1 (13) |
| >50 | 37 (58) | 10 (83) | 113 (46) | 54 (48) | 4 (50) |
|  |  |  |  |  |  |

\* Decrease in SBP for >5 min, defined as an absolute decrease (mmHg) relative to baseline.

**Supplemental table 6**. Frequency of Intraoperative hypotension in different types of anesthesia.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Hypotensive event \* | GA  N=324 | Regional (SPA/EDA)  N=203 | GA + SPA/EDA  N=80 | LA  N=45 |
| (mmHg) ≤20 | 28 (9) | 50 (25) | 1 (1) | 18 (40) |
| 21-40 | 61 (19) | 46 (23) | 9 (11) | 11 (24) |
| 41-50 | 49 (15) | 32 (16) | 11 (14) | 3 (7) |
| >50 | 186 (57) | 75 (37) | 59 (74) | 13 (29) |
|  |  |  |  |  |

\* Decrease in SBP for >5 min, defined as an absolute decrease (mmHg) relative to baseline.