**Table 1** Demographic characteristics of patients with first episode of acute coronary syndrome according to mean levels of particulate matter ($PM_{10}$) and carbon monoxide (CO) in the case period (24-hours before event) and control period (1 week before)

| Variable | No. of patients | % | Mean (SD) CO level (ppm) | | Mean (SD) $PM_{10}$ level (µg/m³) | |
|---|---|---|---|---|---|---|
| | | | Case period | Control period | Case period | Control period |
| *Sex* | | | | | | |
| Male | 129 | 51 | 3.71 (2.43) | 3.18 (2.32) | 46.5 (26.3) | 39.6 (22.7) |
| Female | 121 | 49 | 3.89 (2.38) | 3.09 (2.30) | 46.7 (25.6) | 39.5 (23.2) |
| *Age (years)* | | | | | | |
| ≤ 60 | 143 | 58 | 3.79 (2.44) | 3.15 (2.31) | 46.4 (25.8) | 39.6 (22.7) |
| > 60 | 107 | 42 | 3.80 (2.41) | 3.12 (2.39) | 46.9 (25.8) | 39.7 (22.9) |
| *Smoking status* | | | | | | |
| Smoker | 49 | 20 | 3.88 (2.41) | 3.11 (2.31) | 46.6 (27.0) | 39.8 (22.8) |
| Ex-smoker | 103 | 41 | 3.77 (2.37) | 3.17 (2.34) | 46.7 (26.1) | 39.6 (23.0) |
| Never smoker | 98 | 39 | 3.78 (2.39) | 3.15 (2.32) | 46.4 (27.9) | 39.6 (23.1) |
| *Diabetes* | | | | | | |
| Yes | 85 | 34 | 3.85 (2.41) | 3.09 (2.37) | 46.4 (26.2) | 40.5 (22.0) |
| No | 165 | 66 | 3.69 (2.44) | 3.17 (2.32) | 46.7 (25.9) | 39.1 (22.9) |
| *Hypertension* | | | | | | |
| Yes | 65 | 24 | 3.82 (2.40) | 3.13 (2.30) | 46.5 (25.7) | 40.6 (22.8) |
| No | 185 | 76 | 3.71 (2.39) | 3.14 (2.34) | 46.6 (25.7) | 39.2 (22.5) |

*SD = standard deviation.*