**Supplementary Table 1. Insulin dose titration algorithms**

| **Group 1 (INSIGHT algorithm)** | 1. Patients are instructed to adjust the dose of insulin glargine 300 units/mL (Gla-300) by 1 unit per day until achieving a fasting self-monitoring of blood glucose (SMBG) in the range of 4.4–5.6 mmol/L. |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • When fasting SMBG values are in the range of                                                                                       | 2. ≥4.4 and ≤5.6 mmol/L, no change                                                                                          |
| 1. >5.6 mmol/L, increase 1 unit of Gla-300 dose                                                                                      | 3. <4.4 mmol/L, decrease 1 unit of Gla-300 dose                                                                                 |
| • Patients are instructed to adjust the dose of Gla-300 once weekly based on the median SMBG values of the last 3 days (including the current day) but no more than every 3 days to achieve a fasting SMBG in the range of 4.4–5.6 mmol/L. | 4. ≥3.3 and <4.4 mmol/L, decrease 3 units of Gla-300 dose                                                                  |
| • When fasting SMBG values are in the range of                                                                                       | 5. <3.3 mmol/L, or the occurrence of ≥2 symptomatic or ≥1 severe hypoglycemic episodes in the preceding week, decrease 3 units of Gla-300 dose or at the discretion of the investigator |
| 1. ≥7.8 mmol/L, increase 6 units of Gla-300 dose                                                                                      | Both groups (INSIGHT and EDITION algorithms)                                                                                   |
| 2. >5.6 and <7.8 mmol/L, increase 3 units of Gla-300 dose                                                                            | • Participants are allowed to contact the study site if they have any episodes of hypoglycemia or want to discuss insulin dose adjustments between scheduled visits. |
| 3. ≥4.4 and ≤5.6 mmol/L, no change                                                                                                   | INSIGHT, Implementing New Strategies with Insulin Glargine for Hyperglycemia Treatment. |
| 4. ≥3.3 and <4.4 mmol/L, decrease 3 units of Gla-300 dose                                                                            | 5. <3.3 mmol/L, or the occurrence of ≥2 symptomatic or ≥1 severe hypoglycemic episodes in the preceding week, decrease 3 units of Gla-300 dose or at the discretion of the investigator |