

Supporting information

The height SDS and obesity index were calculated using standard height and body weight in Japanese children by the following formula” height SDS = (patients height – standard height)/standard deviation; and obesity score (%) = $100 \times (\text{patient's body weight} - \text{standard body weight}) / \text{standard body weight}$. The height SDS in patients aged > 17.5 years was calculated using standard height at 17.5 years old. Body surface area was calculated as: $\sqrt{[\text{patient's body weight (cm)} \times \text{patient's body weight (kg)} / 3600]}$.