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Review Article and Clinical Experience: Thyroid Storm: Quick Diagnosis and Quick Treatment. The Roles of Formulas G/O–P-39.5 – 120 and Cs-7.1.5

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Abstract

Thyroid Storm (TS) or Thyroid Crisis (TC) is a sudden, life-threatening thyrotoxicosis or those who are previously unrecognized thyrotoxicosis. The clinical features seen in uncomplicated thyrotoxicosis are generally present and often accentuated in TS, or TS is the most extreme decompensated state of thyrotoxicosis. In the past, TS commonly was observed during thyroid surgery, but today, TS occurs more commonly as a medical rather than a surgical crisis. The clinical picture relates to severely exaggerated effects of thyroid hormones (THs). The clinical picture can be categorized into dysfunctions of 4 cardinal systems: thermo-regulatory system, central nervous system, gastrointestinal-hepatic system, and cardiovascular system. Based on clinical experiences, the author classified TS into classical and non-classical TS. Classical Thyroid Storm can be diagnosed in the presence of goiter (G) and/or orbital (O) signs and precipitant (P) plus body temperature > 39.5°C and heart rate or tachycardia > 120/min. All of these components can be termed as Formula G/O–P-39.5 – 120. Non-Classical Thyroid Storm (Table 3) can be diagnosed by using BW-Score. BW-Score has been widely used as a tool of diagnostic criteria for TS. A total score of 45 or greater is highly suggestive of TS. A score of 25-44 is suggestive of impending TS, and a score below 25 is unlikely to represent TS. On the basis of clinical experiences, Formula TS – 41668.24.6 has been used as of the year 2005 as specific practical guideline in the treatment of TS and as the therapeutic clinical outcomes.

Keyword : thyroid, storm, thyroid, crisis, thyrotoxicosis, classical, thyroid, strom, non-classical, thyroid, storm, Formula, G/O–P-39.5, -120, BW-score, Formula, TS,

Daftar Pustaka :