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Name: Sang Hun Kim  
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Erstautor: Sang Hun Kim, chosun university hospital, Gwangju metropolitan, seoul  
Coautoren: Keum Young So, chosun university hospital, Gwangju metropolitan, seoul  
Chong Dal Chung, chosun university hospital, Gwangju metropolitan, seoul  
Abstracttitel: Severe hypertension due to intraoperative use of tramadol – a case report -

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A 58-year-old, 60 kg women with thyroid cancer controlled with levothyroxine 0.1 mg daily for 11 months underwent total thyroidectomy. The patient received no medication except for anesthesia. When tramadol 90 mg for postoperative pain control was given 30 min before the end of surgery. Arterial blood pressure immediately increased from 130/82 to 217/128 mmHg with little effect on heart rate and bispectral index. Blood pressure was controlled by nicardipine injection and increasing desflurane. We propose that the increasing effect of serotonin receptor sensitivity of levothyroxine in combination with tramadol reuptake inhibition of serotonin and norepinephrine or release serotonin may have caused the hypertensive episode.