

中文題目：病例報告 - 酪胺酸激酶抑制劑及甲狀腺低下症之關聯性和未明之處

英文題目：Case Report – The Association and Unknown between Tyrosine Kinase Inhibitors (TKIs) and Hypothyroidism

作者：黃建賓<sup>1</sup>，陳品汎<sup>2</sup>

服務單位：<sup>1</sup>大林慈濟醫院內科部，<sup>2</sup>大林慈濟醫院新陳代謝科

**Background:** Tyrosine kinase inhibitors (TKIs) have been widely to treat many kinds of cancer. Hypothyroidism is a well known adverse effect of tyrosine kinase inhibitors. However, the severity of hypothyroidism and the dose of TKIs which can cause significantly hypothyroidism have not been well identified. Here we presented a case of chronic myeloid leukemia (CML) who developed hypothyroidism with long term use of TKIs, and the association between TKIs and hypothyroidism would be discussed.

**Methods:** A 67 years old woman with CML who had been taken TKIs for 14 years presented to emergent department with conscious disturbance and hypoglycemia. Hypothyroidism related to TKIs was diagnosed. The association of TKIs and hypothyroidism would be reviewed.