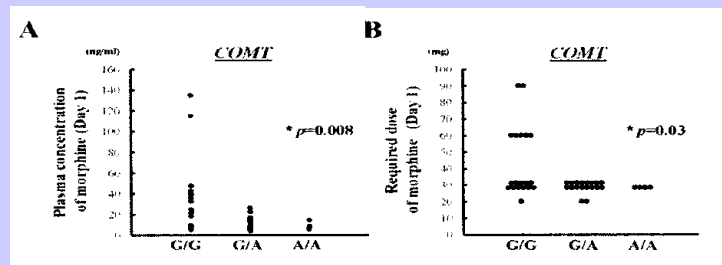


# Investigation of Cancer Pain Mechanism and The Joint Project for Kindai University's Original Analgesic Drug Development

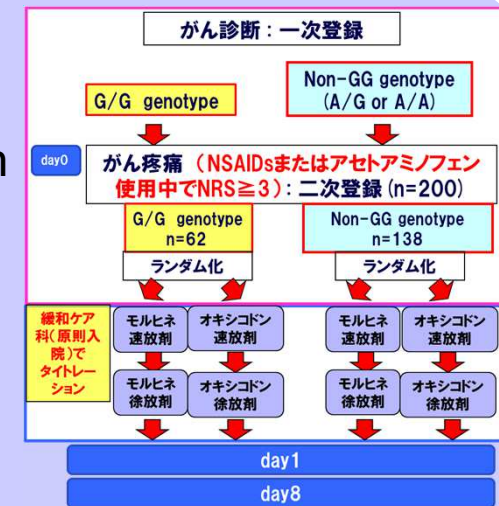
(Lecturer. Takeshi YOSHIDA, yoshida\_t@med.kindai.ac.jp)

## Research Area

1. Clinical research on predicting effectiveness on opioids for cancer pain
2. The search for biomarker to predict effectiveness on opioids for cancer pain
3. The study of effects on quality of life(QOL) of cancer patients by opioids



Matsuoka et al. Onco Report 2012



## Recent Activities

- Selection of opioids for cancer-related pain using a biomarker: a randomized, multi-institutional, open-label trial (RELIEF study). Matsuoka H, Tsurutani J, Chiba Y, Fujita Y, Terashima M, Yoshida T, Sakai K, Otake Y, Koyama A, Nishio K, Nakagawa K. BMC Cancer. 2017 Oct 6;17(1):674.
- Matsuoka H, Ishiki H, Iwase S, Koyama A et al. Study protocol for a multi-institutional, randomised, double-blinded, placebo-controlled phase III trial investigating additive efficacy of duloxetine for neuropathic cancer pain refractory to opioids and gabapentinoids: the DIRECT study. BMJ Open. 2017 Aug 28;7(8):e017280
- Matsuoka H, Yoshiuchi K, Koyama A et al. Expectation of a Decrease in Pain Affects the Prognosis of Pain in Cancer Patients: a Prospective Cohort Study of Response to Morphine. Int J Behav Med. 2017;24(4):535-541.