

## CONCLUSION

1. Our study found that AUC in Thai colorectal cancer patients were higher than previous study after patients received  $500 \text{ mg/m}^2$  of 5-FU in 20 min. Two patients had grade 1 and four patients had grade 2 hematological toxic effect from chemotherapy. From total of 24 patients, the mean AUC after 15 min infusion was  $415.2 \pm 121.80 \text{ mg/Lmin}$ . (95%CI =  $363.65 - 466.20 \text{ mg/Lmin}$ ) and mean pharmacokinetic parameters that we found in this study were shown in Table 12

Table 12 Mean pharmacokinetic parameter

Pharmacokinetic parameters	Mean $\pm$ SD
AUC (mg/L.min)	$415.2 \pm 121.80$
Tmax (min)	$16.05 \pm 2.52$
Cmax (mg/L)	$18.04 \pm 5.33$
$t_{1/2}$ (min)	$8.87 \pm 2.11$
Ke ( $\text{min}^{-1}$ )	$0.08 \pm 0.03$
Vd (L)	$23.05 \pm 8.85$
CL <sub>obs</sub> (L/min)	$1.72 \pm 0.69$

2. Although our result show two patients had grade 1 and four patients had grade 2 hematological toxic effect from chemotherapy.