

## Selenium and Renal Cell Carcinoma - 2 -

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### Abstract

Garlic is a rich source of sulfur and therefore might be expected to convert inorganic selenium in the soil to organic selenium compounds following the sulfur assimilatory pathway. PIXE analysis was conducted for determination of the Se concentration in garlic by production (China, Japan, United States). The mean concentration of garlic selenium was ; United States  $0.42 \pm 0.05 \mu\text{g/g}$ , Japan  $0.25 \pm 0.07 \mu\text{g/g}$ , China  $0.15 \pm 0.06 \mu\text{g/g}$  for each 3 cases. United States growth had significantly higher selenium content than the both Japan and China ( $p < 0.05$ ,  $p < 0.005$ ).