Ethnobotanical survey

Antioxidant activity
*in vitro*

Analgesic activity
 *in vivo*

Study design

Nutritionnel usage

Cosmeceutical usage

Therapeutic usage

Information about panax ginseng

Panax ginseng collection and Extract preparation
*in vitro*

Personal information

**Figure 1**: Study design

**Figure 2**. abdominal constriction induced by injection of 0.6% acetic acid


**Figure 3**. Repartition of interrogated people according to their knowledge of the *panax ginseng* importance.

**Figure 4**. Repartition of interrogated people according to their *panax ginseng* usage

**Yes**: panax ginseng is used for the treatment, **No**: panax ginseng is not used for the treatment

**Figure 5. Therapeutic usage of panax ginseng**

Bars with different letters are significantly different (p<0.05).
**Figure 6.** Analgesic effect of panax ginseng extracts by injection of acetic acid.