

Experiment number one:

**THE EFFECT OF EXPOSURE FACTORS VARIATION ON THE IMAGE QUALITY**

**Objective:**

The influence of the variation of exposure factors ( KV , mAs and time) on the image quality.

**Procedure:**

Expose the hand (position) and vary one factor while the other two factors are constant.

**Effect of KV:**

Select different tube voltage (KV) at constant tube current (mA) and exposure time.

Follow table number 1:

KV	mA	time
35	100	0.025
43	100	0.025
55	100	0.025

**Effect of tube current (mA):**

Select different tube current at constant KV and time.

Follow table 2:

KV	mA	time
43	40	0.025
43	100	0.025
43	160	0.025

**Effect of exposure time at constant KV and Ma.**

Follow table 3:

KV	mA	time
43	100	0.005
43	100	0.025
43	100	0.035