

There are no translations available.

Poster présenté à

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Results

Most important, as Cadmium half-life is as long as 30 years (*Leblanc JC, 2006*), it is not eliminated spontaneously and accumulates in the prostate with time, which corresponds to an increased PK risk with age. Cadmium vapours, even in the solid state, penetrate insidiously, are odorless and tasteless. Molluscs (mussels, oysters), crustaceans organism. Tobacco contains Cadmium, [but also dioxine TCDD (→ Ha-Ras mutations), nitrosamines (→ Ki-Ras mutations)]. The Hazard Ratio for PK specific mortality is 1.82 if the patient smokes (*Kenfield SA, 2011*)

. Occupational studies show a correlation with the professional work in contact with Cadmium (*Kjellstrom T, 1979*, in Sweden).

**C-Myc oncogen**

Cadmium increases the oncogene c-Myc in renal (*Tang N, 1991*) and RWPE-1 prostatic cells (*Achanzar WE, 2000*).

C-Myc stimulates telomerase promoter (high levels in PK). C-Myc up-regulates the **androgen receptor**

messenger RNA

(*Grad J, 1999*)

. Myc confers androgen-independent prostate cancer cell growth

(*Bernard D, 2003; Kokontis J, 1994*)

. C-myc transgenic mice develop prostatic intra-epithelial neoplasia

(*Zhang X, 2000*)

Loss Of Heterozygosity (LOH) of Bin-1 (**B**ridging **i**ntegrator 1) located at chromosome 2q14, an



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