Environmental risk factors and breast cancer at wilaya of Setif

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Abstract:
Cancer is a worldwide public health problem, where 4 to 8 of cancers are caused by professional exposure, 25 to 30 are due to individual behaviors (smoking, alcohol, alimentation, obesity, physical activity) and 5 to 10 are related to environmental factors. The register of cancer in Setif reported a high tendency for cancers, probably related to the environment at Setif, especially because of the presence of an Industrial Zone with a high carcinogenic risk.

The main objective is to extricate hypothesis about the environmental risk factors and cancers at Setif.

Material and methods:
- Study of the tendency of cancers related to environment in wilaya of Setif.
- Identification of zones with high environmental risk
- Identification of pesticides used in agriculture in Setif.

Results:
- A high tendency of cancer that are related to environment in Setif with an APC varying between 2 and 7
- Presence of zones with high environmental risk of cancer in Setif, with 14 industrial units of high risk.
- An important use of pesticides in agriculture at wilaya of Setif, estimated 148625 quintal of solid pesticides and 18750 liters of liquid pesticides (2011-2015)
**Conclusion:**

This disquieting increase of cancers at wilaya of Setif is probably due to risk factors in industry zones the misuse of pesticides in agriculture.

It would be interesting to extricate specific hypothesis, mainly for the principal localizations of cancer that have been reported in the register of cancer in setif and to lead epidemiological analytic research including all the concerned sectors.