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Author: Jing-Zhe Yang Zhu-Xin Wang Li-Hui Ma Xing-Bin

Shen Yu Sun Da-Wei Hu Li-Xin Sun

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#### Highlights

PCTA and  $\beta$ -HCH in invasive ductal carcinoma patients' blood were higher than control  $\beta$ -HCH, PCTA and pp'-DDE in adipose tissue beside ductal carcinoma were higher as well All of them were increasingly higher among three degrees of invasive ductal carcinoma

# The organochlorine pesticides residues in the invasive ductal breast cancer patients

Jing-Zhe Yang, Zhu-Xin Wang, Li-Hui Ma, Xing-Bin Shen, Yu Sun, Da-Wei Hu\*, Li-Xin Sun\*\*

The Affiliated Hospital of Chengde Medical College, 36 Nanyingzi Street, Chengde 067000, Hebei, China

- \* Corresponding author: Da-Wei Hu, The Affiliated Hospital of Chengde Medical College, Chengde 067000, Hebei, China; Tel, +86 314 2279257; Fax: +86 314 2274895; E-mail: dawei.hu@163.com
- \*\*Co-corresponding author: Li-Xin Sun, The Affiliated Hospital of Chengde Medical College, Chengde 067000, Hebei, China; Tel, +86 314 2279400; Fax: +86 314 2274895; E-mail: cyfyzys@163.com

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