

## **Studying the New Trends of Pharmaceutical Secondary Child Resistant Packaging**

**Prof. Mohamed Attia AlFarahaty**

**Professor of Printing Systems at Printing, Packaging & Publishing Department -  
Faculty of Applied Arts - Helwan University**

[Mohamed2attia@hotmail.com](mailto:Mohamed2attia@hotmail.com)

**Prof. Noha Mohamed Abdallah**

**Professor of Packaging Technology at Printing, Packaging & Publishing Department -  
Faculty of Applied Arts - Helwan University**

[Nohmoh@yahoo.com](mailto:Nohmoh@yahoo.com)

**Assist. Lect. Mai Ahmed Said Hussein**

**Assistant Lecturer at Printing, Packaging & Publishing Department - the Higher  
Institute of Applied Arts - New Cairo**

[Maidarwish87@gmail.com](mailto:Maidarwish87@gmail.com)

### **Abstract:**

The development of packaging is one of the complex decisions and an integral part within the modern packaging system. There are a number of basic requirements for Pharmaceutical packaging. the pharmaceutical packaging must have the feature of child-resistant in a way that does not conflict with the ease of opening by the elderly and must be The packaging is sealed, and tamper-resistant packaging has been developed by children (sometimes called special packaging) in order to prevent young children from accessing a number of products that are dangerous to the child in any dose. As it is responsible for hundreds of thousands of accidents every year. the practical study of the research paper relied on the survey study to monitor recorded cases of drug poisoning, which was made available for study in some governorates within Egypt (Poisons Unit, Faculty of Medicine, Zagazig - Poison Center, Ain Shams University - Banha Poisoning Center - Poison Control Centers in Central Delta), and it also included a descriptive and analytical study of Pharmaceutical packages secured against opening by children, which relied on modern techniques and methodology to secure Pharmaceutical packages. Secondary, and the result of this analytical study of a number of packages was that these packages depended on the techniques of securing against opening by children by integrating two movements together in the design of the carton package to control the closing and opening system with consecutive intended movements in a specific synchronization, and these techniques were also able to provide a simplified mechanism for the process Opening a child under seven years old cannot perceive it in a short period of time.

### **Key words:**

Pharmaceutical packaging - child resistant packaging - blister packaging.