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***Why Sterilization is good for dogs & what are the benefits***

**...**

***The purpose of this research was to investigate the effects of disinfection and three different sterilization methods on the dimensional changes and mechanical properties of three-dimensional (3D) printed surgical guide for implant therapy. The objective was to assess the effects of sterilization procedures in 3D printed drill guide templates with destructive and non-destructive material testing.***

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***Effects of Sterilization, Packaging, and Storage on ...***  
***The effect of the sterilization was on a hot debate for decades. After the research done by Ru et al. on the correlation between sterilization and the risk of osteosarcoma in canine, more and more studies were conducted to closely examine the possible negative effect of the sterilization on the dog.***

***Sterilization Definition***  
***As with many polymers, parylene subjected to radiation sterilization techniques exhibits an accumulated-dose effect.***

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**Consequently, device manufacturers considering E-beam or gamma sterilization should conduct further testing to determine the effects of repeated radiation sterilizations at the anticipated dosage level in the intended application.**

**Effects of disinfection and sterilization on the ...**

## **2. Sterilization Techniques and Effect on Silicone Rubber**

**The most common methods used for sterilizing medical devices are autoclaving (steam sterilization), ethylene oxide (EtO) gas treatment, and gamma and electron-beam (e-beam) ionizing irradiation. [1] Steam**

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***sterilization is generally employed for reusable parts***

***Food preservation -  
Sterilization | Britannica  
Sterilization of dogs is very highly beneficial for dogs health too. If you are interested to know more why sterilization is good for dogs then keep reading this article because we are going to explain what is the process of dogs sterilization and benefits of it. Sterilization VS Neutering***

***Sterilization (medicine) -  
Wikipedia  
Effect of E-Beam Irradiation: E-beam irradiation had an analogous effect to that of***

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***gamma sterilization on the mechanical properties of the silicone rubbers, albeit slightly less pronounced. The difference may be attributed to the lower degree of penetration of electrons into the silicone or to limited oxidative degradation due to the shorter exposure required for e-beam sterilization.***

***Effect of Cleaning on Sterilization Efficacy***  
***Heat sterilization stimulates free-radical degradation processes, though not necessarily to the same extent as with irradiation sterilization. But its negative effects can still be significant in a polyolefin product that***

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***has previously been gamma ray sterilized, stored for weeks or months, and then heat sterilized.***

### ***Assessing the Effects of Sterilization Methods on Parylene ...***

***The effect of salt and serum on the efficacy of low-temperature sterilization technologies has raised concern regarding the margin of safety of these technologies. Experiments have shown that salts have the greatest impact on protecting microorganisms from killing***426, 469.

### ***Effect Of Sterilization On The***



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***Effects. The effects of sterilization vary greatly according to gender, age, location, and other factors. When discussing female sterilization, one of the most important factors to consider is the degree of power that women hold in the household and within society. Physical***

***What Is Female Sterilization and How Does It Work?***

***Food preservation - Food preservation - Sterilization: The time and temperature required for the sterilization of foods are influenced by several factors, including the type of microorganisms found on the food, the size of the container, the acidity or pH of***

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***the food, and the method of heating. The thermal processes of canning are generally designed to destroy the spores of the bacterium C ...***

***Heat Sterilisation - an overview | ScienceDirect Topics***

***Sterilization refers to any process that removes, kills, or deactivates all forms of life (in particular referring to microorganisms such as fungi, bacteria, viruses, spores, unicellular eukaryotic organisms such as Plasmodium, etc.) and other biological agents like prions present in a specific surface, object or fluid, for example***

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**food or biological culture  
media.**

**Sterilization | Disinfection &  
Sterilization Guidelines ...  
Female Sterilization Side  
Effects. Dr. Vikki G. Hufnagel.  
Follow. Aug 22, 2015 · 5 min  
read “One of the most  
destructive things a woman  
can do to her body is to  
undergo sterilization.**

**The Effect of Sterilization on  
Plastics and Elastomers ...  
Sterilization is a form of  
monetary action in which a  
central bank seeks to limit  
the effect of inflows and  
outflows of capital on the  
money supply.**

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***Effect of Sterilization on the  
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***This section reviews  
sterilization technologies  
used in healthcare and makes  
recommendations for their  
optimum performance in the  
processing of medical  
devices. 1, 18, 811-820.  
Sterilization destroys all  
microorganisms on the  
surface of an article or in a  
fluid to prevent disease  
transmission associated with  
the use of that item.***

***The Effect of Sterilization  
Methods on Plastics and ...***

***The Effect of Sterilization on  
Plastics and Elastomers ...***

***Larry McKeen has also added  
detailed descriptions of***

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**sterilization methods for most common polymer classes such as polyolefins, polyamides, polyesters, elastomers, fluoropolymers, biodegradable plastics.**

### **Sterilization (microbiology) - Wikipedia**

**Sterilization is effective without leading to the same side effects as other methods, such as birth control pills, the implant, or even the intrauterine device (IUD).**

### **Female Sterilization Side Effects | by Dr. Vikki G ...**

**This extensively updated second edition was created for medical device, medical packaging, and food**

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**packaging design engineers, material product technical support, and research/development personnel. This comprehensive databook contains important characteristics and properties data on the effects of sterilization methods on plastics and elastomers. It provides a ready reference for comparing ...**

**Effect of Sterilization on the Mechanical Properties of ...  
The objective of this paper was to evaluate the vitamin C content and protein modification by denaturation and glycation on fortified milk samples (growth milks)**

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***destined for 1- to 3-yr-old children. The influences of the sterilization process, formulation, packaging, and storage duration at ambient temperature in the dark were studied.***

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