

PHYSIODISPENSER AND ITS USE IN DENTAL MEDICINE



УНИВЕРЗИТЕТ
ГОЦЕ ДЕЛЧЕВ

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INTRODUCTION

- A physiodispenser is indeed a medical device used in dentistry.
- Regarding the drill itself, it is usually a specially designed bur or bit that is used for drilling into the bone during dental implant placement.
- These drills are typically made of high-quality materials and come in various sizes to accommodate different implant sizes.
- Helps minimize trauma to the surrounding tissues and promotes faster healing.

ADVANTAGES

Versatility



*Protecting
the bone*



*Promotes
faster
healing*



*The
efficiency*

*Minimize
trauma*



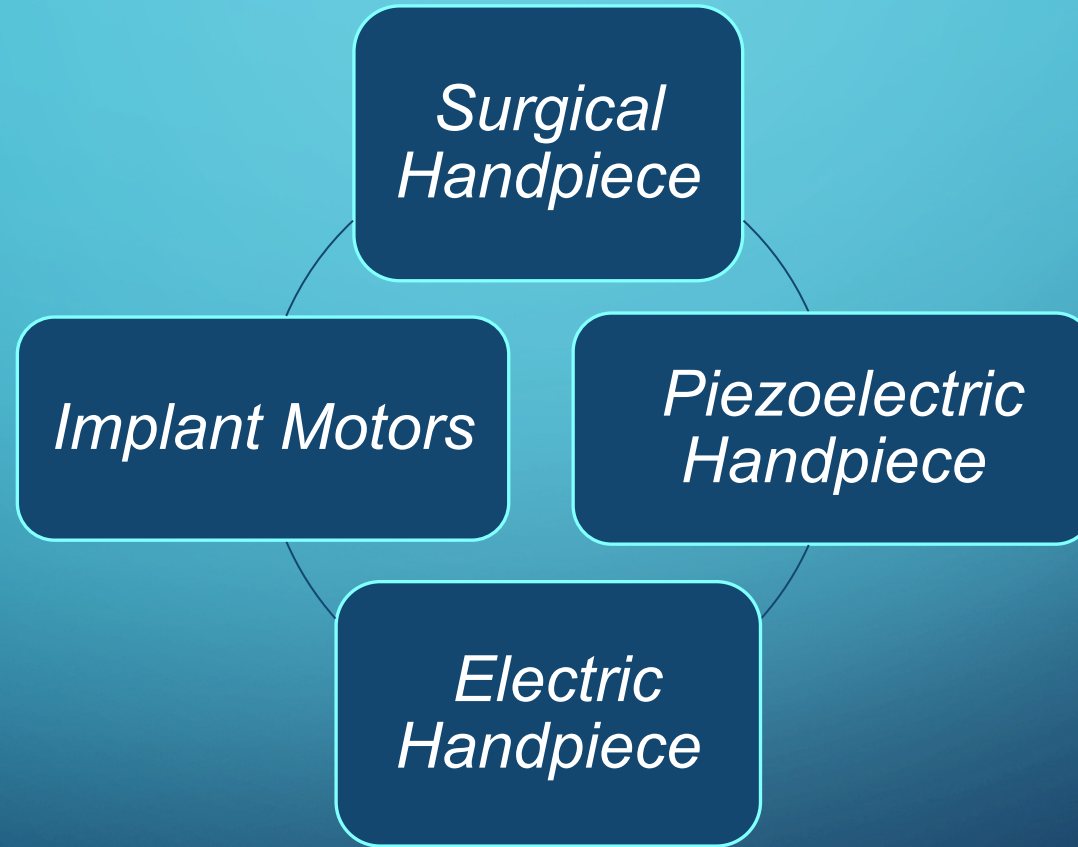
DISADVANTAGES

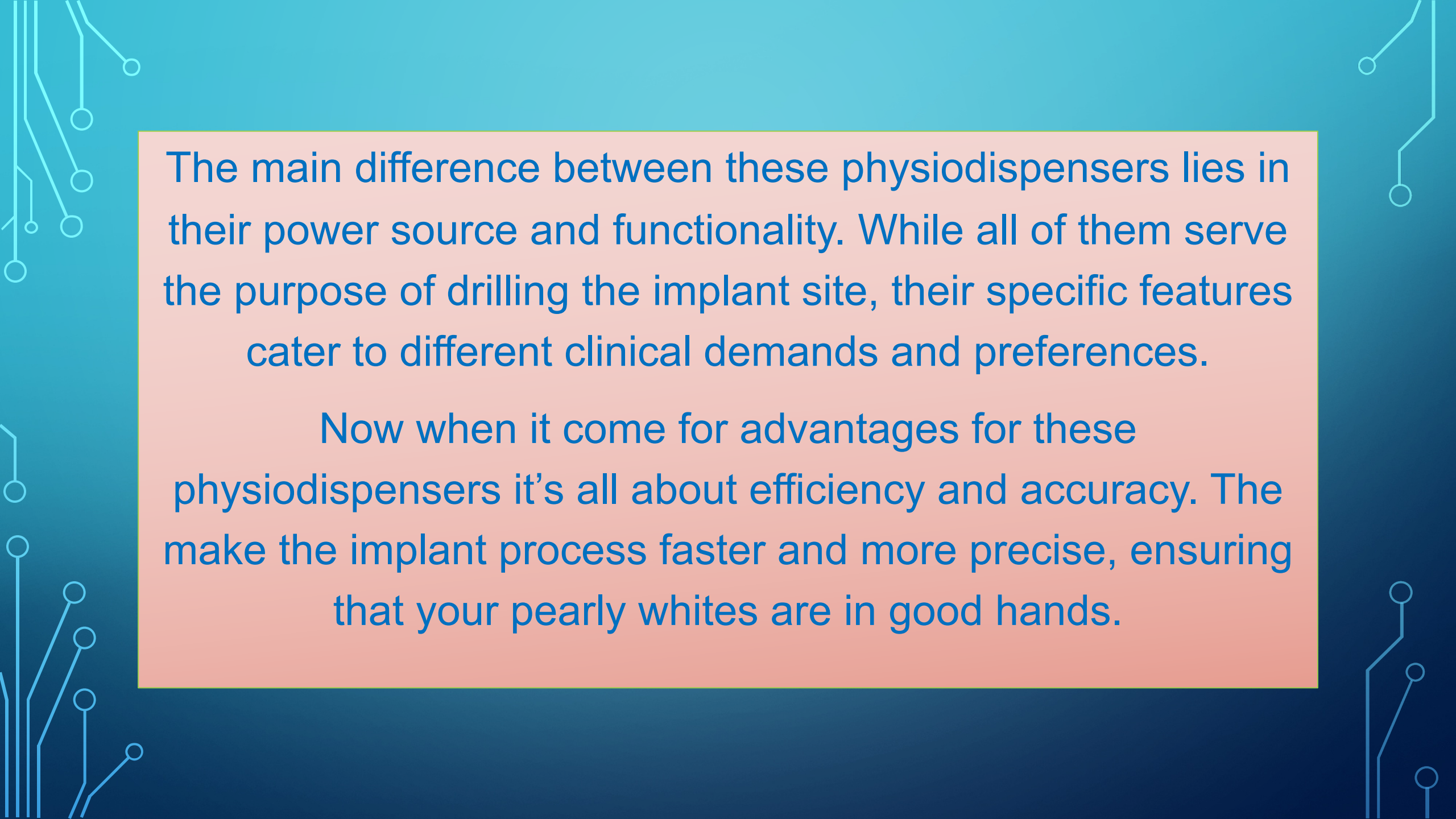


The heat
generated
during the
drilling
process

The noise

TYPES OF PHYSIODISPENSERS



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The main difference between these physiodispensers lies in their power source and functionality. While all of them serve the purpose of drilling the implant site, their specific features cater to different clinical demands and preferences.

Now when it come for advantages for these physiodispensers it's all about efficiency and accuracy. The make the implant process faster and more precise, ensuring that your pearly whites are in good hands.

THE SURGIC PRO2

- ❖ LCD touch screen
- ❖ Visibility is guaranteed by the large, high-contrast LCD screen with backlight.
- ❖ The screen can be adjusted in 10 brightness levels. Intuitive and easy-to-understand screen icons enable smooth operation.
- ❖ Simple interface and clean screen
- ❖ Touchpad sensitivity can be adjusted to reliably respond when using surgical gloves and surgical barriers.
- ❖ Extremely narrow screen bezel makes cleaning easier.
- ❖ The new design takes into account the latest requirements for the treatment and control of cross-infections.



RESULTS AND DISCUSSION

- 1. Dilek O, Tezulas E, Dincel M.** in 2008 reported that the physiodispenser is key technology in implant dentistry.
- 2. Thomas S, Das SK, Barik AK, Raj SC, Rajasekaran A, Mishra M.** in 2021 reported that physiodispenser make the implant process faster and more precise.
- 3. Ucar F, Cetinkaya S, Seyrek L** in 2022 reported that physiodispenser helps minimize trauma to the surrounding tissues and promotes faster healing.

CONCLUSION

When it comes to physiodispenser, these nifty gadgets play a crucial role in dental implant procedures. Think of them as the superheroes of the dental world, swooping in to save the day with the features and advantages. The use of a physiodispenser is important because it ensures that the implant site is properly prepared and the implant is placed with precision and accuracy.

It cut bone very efficiently with controlled torch, speed and gear. There is constant saline irrigation system which washed away wash the bone debris and blood and also act as coolant.

So after surgery patient will not get pain and swelling. It has very low noise, comfortable for patient. The physiodispenser is key technology in implant dentistry.

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THANK YOU FOR YOUR ATTENTION!

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