



NANO DENTAL CHAIR

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INTRODUCTION

- One of the limitations of the dental profession has been its dependency on fixed equipment such as the dental units or chairs.
- Transportation to the dental office is cited by many of the elderly as a barrier to dental treatment. Mobile (bus dental unite) or portable services eliminate the transportation barrier by bringing the service to the client. The portable dental chair will provide greater assistance to disabled clients living in those out of reach places

RATIONALE

- Since some of the portable dental chair are difficult to carry by single person because of its weight its is not possible to carry in remote areas and in the hill region
- This invention can be easily carried by single person from place to place since its weight is less than 7 kgs

MATERIALS AND METHOD

- Portable dental chair made of high-strength carbon reinforced fibre plastic structure, light weight, stable, comfortable and safe and easy to carry.
- Bearing weight can achieve 100 Kg, the height range: 35cm-60cm.
- Volume:550x270x1100mm. Weight:5kg. Chair (Folded): 24" x 24" x 6"



PROS

1. This portable dental chair is easy to carry than the other portable dental chair since its weight is less than 7kgs while the other portable chairs are more than 30 kgs of weight
2. Can be easy folded and carried by a single person
3. It can withstand average of 100kg of weight load since the frame work is made of high-strength carbon reinforced fiber plastic which is stronger than aluminum and equals to steel and the net weight is less than both
4. It is very useful for the dentist who is taking survey of remote villages with a smaller number of man power or can handle alone
5. It is very useful for the home-to-home treatment procedures where some elderly patients can't walk

CONS

- Not electronically adjustable chair
- Spittoon and light should be fixed separately

CONCLUSION

- In conclusion this invention can be transported at ease from place to place and the investigator can use this for out reach programs in remote areas and hill region where it is impossible to carry a 30kg portable chair for a distance. The impossible now becomes possible.