



Semmelweis Egyetem Konzerváló Fogászati Klinika



Equipment of a dental office

Mikó Sándor

Ergonomic approach

- Clinical dentistry is physically demanding in some very specific ways. Backs, necks, shoulders, wrists and hands that for some reason are vulnerable to injury may be challenged by a combination of position, repetitive motion, stress, and even leisure activities.
- Comfortable doctor and patient, support staff position.
- Dental professionals may be at risk for exposure to numerous workplace hazards. These hazards include, but are not limited to, the spectrum of bloodborne pathogens, pharmaceuticals and other chemical agents, human factors, ergonomic hazards, noise, vibration, and workplace violence.
- The comfort helps and protect against (good access, Restraint, lighting).
- Low dental chair, lying position, exhausting system
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Minimal instrument

- The respective authorities regulates the dental clinic, equipment, kits and sets, minimum requirements and staffing, operation
Regulation

Dental office

- At least 12 m² (each chair 9 m²)
- Height min. 2.5 m, 2.1 m washable, disinfectable, sink area is tiled
The floor is gapless, washable, disinfectable, antislip, antistatic
- Medical faucet, sink, shampoo dispenser, disinfectant dispenser, papertowel
- Washable, disinfectable furniture
- Sterilization of equipment

Instruments

Dental unit

- Dental chair (comfortable position, good acces)
- Instrument table (easy movable, easy fixed)
- Operation unit: high speed turbina, micromotor, water, air syringe
- Operation lamp (10000 lux shadowless)
- Waterblock: exhaustor (saliva suction)
- Polimerisation lamp





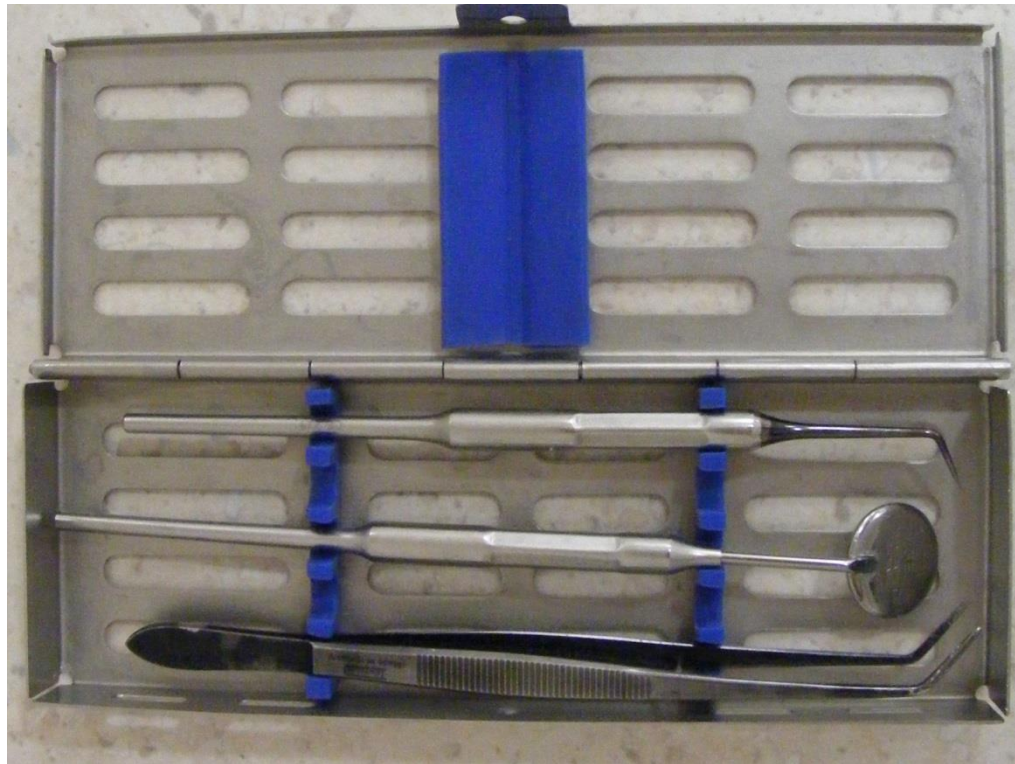
Furniture in the dental office

- Chest of drawers
- Chair on wheels

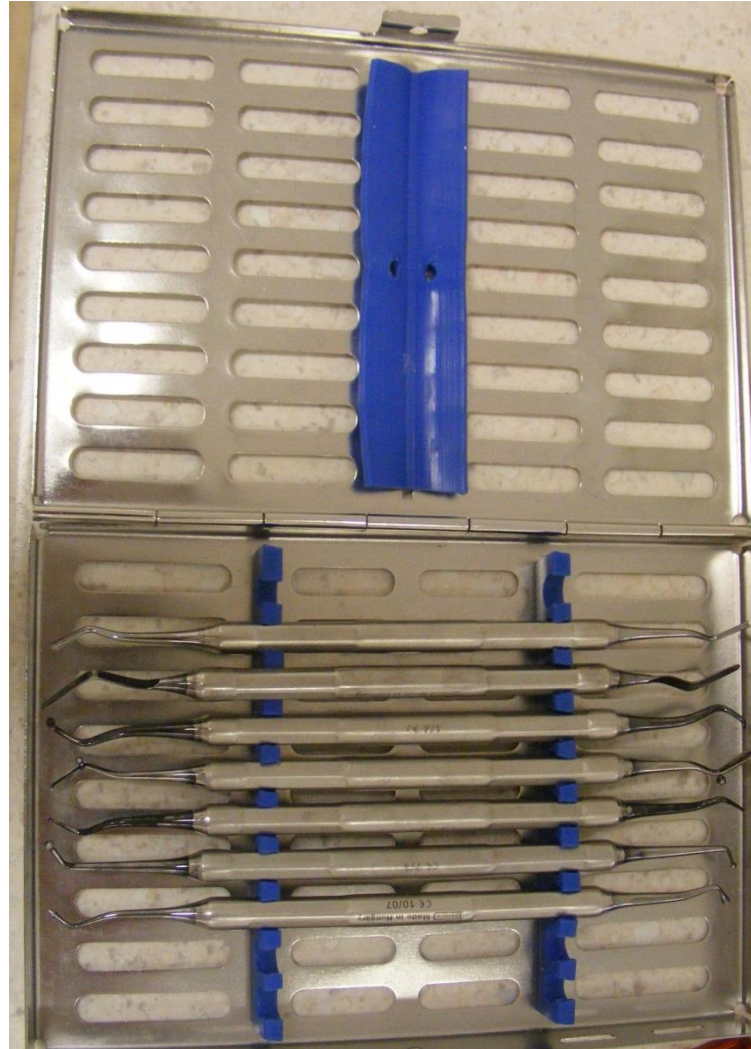


Instruments

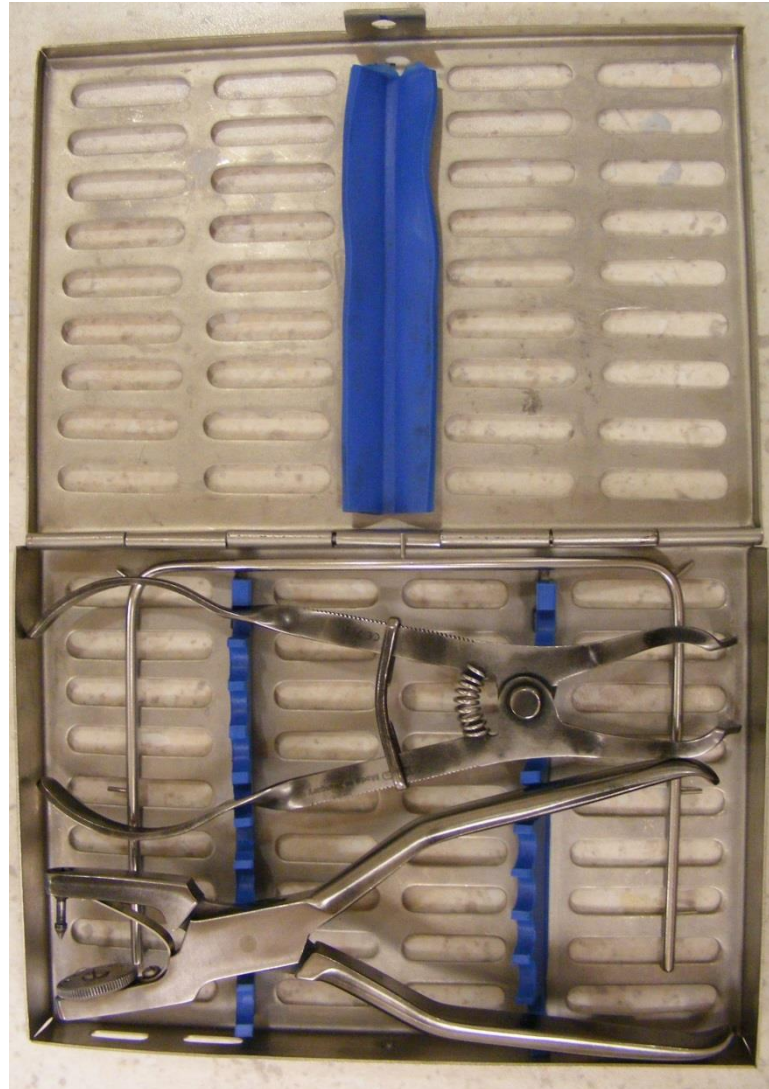
- Tray of sets



Tray of sets



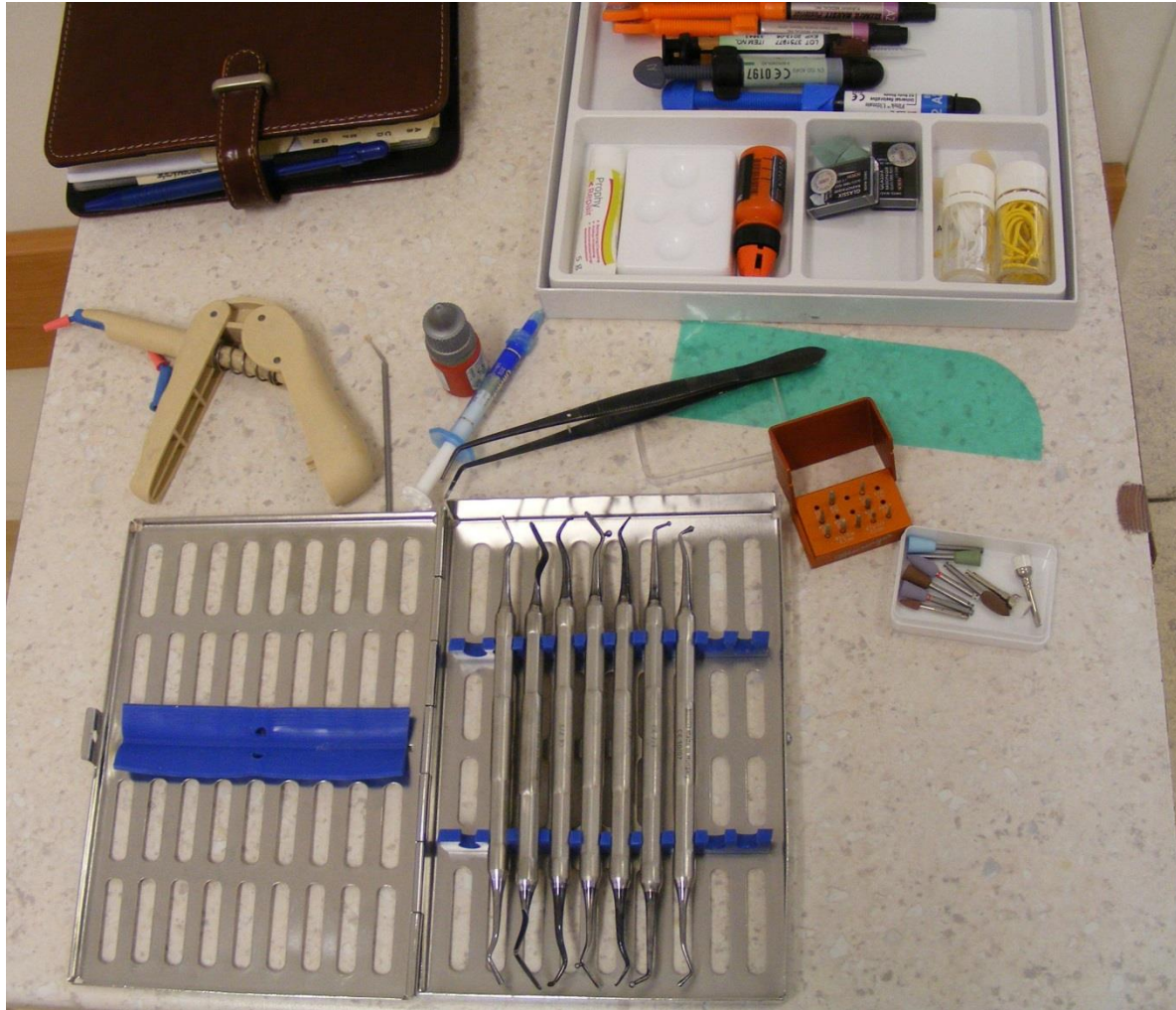
Tray of sets



Kerr tray



Instrument table on wheels



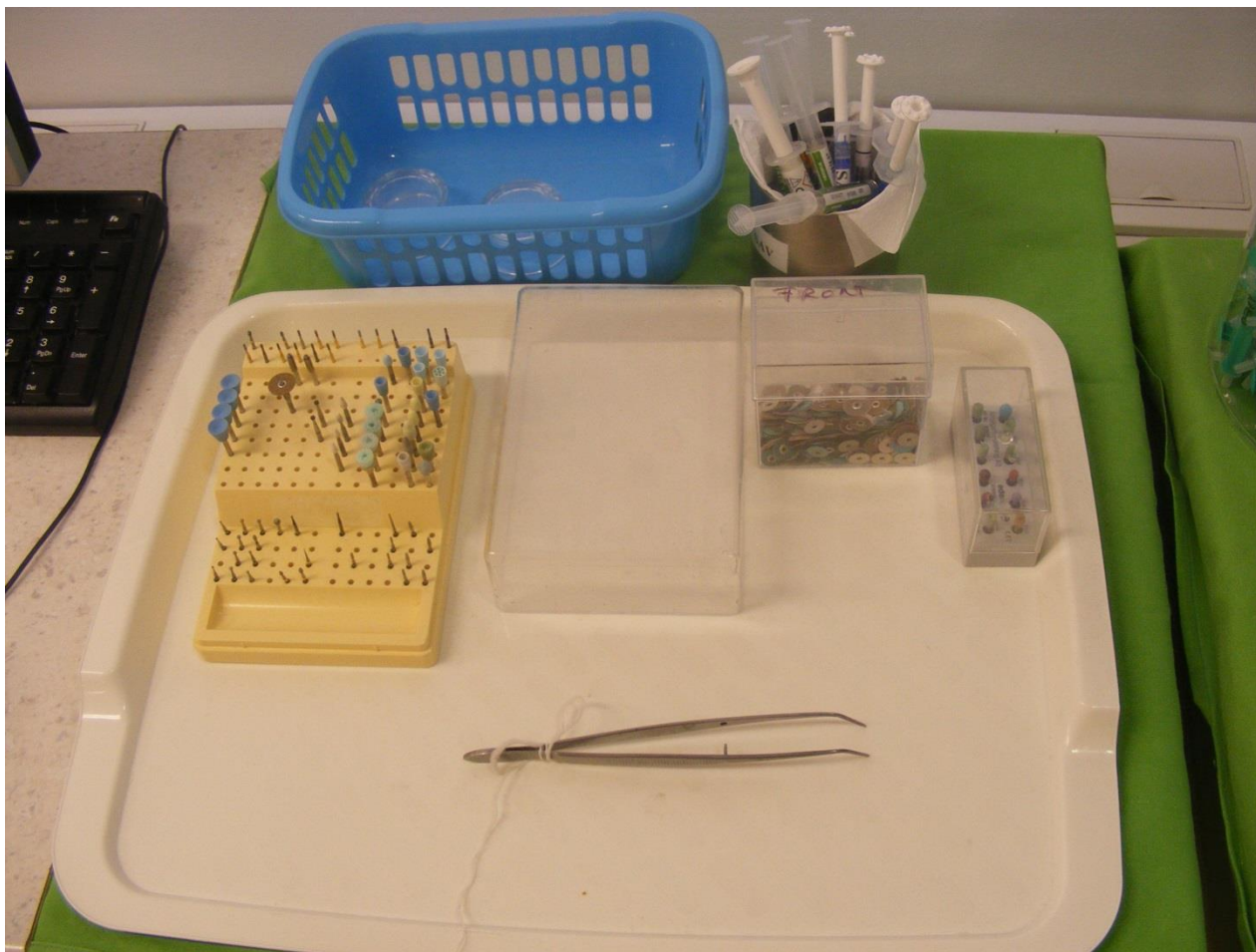
Self-service table (instruments, materials)



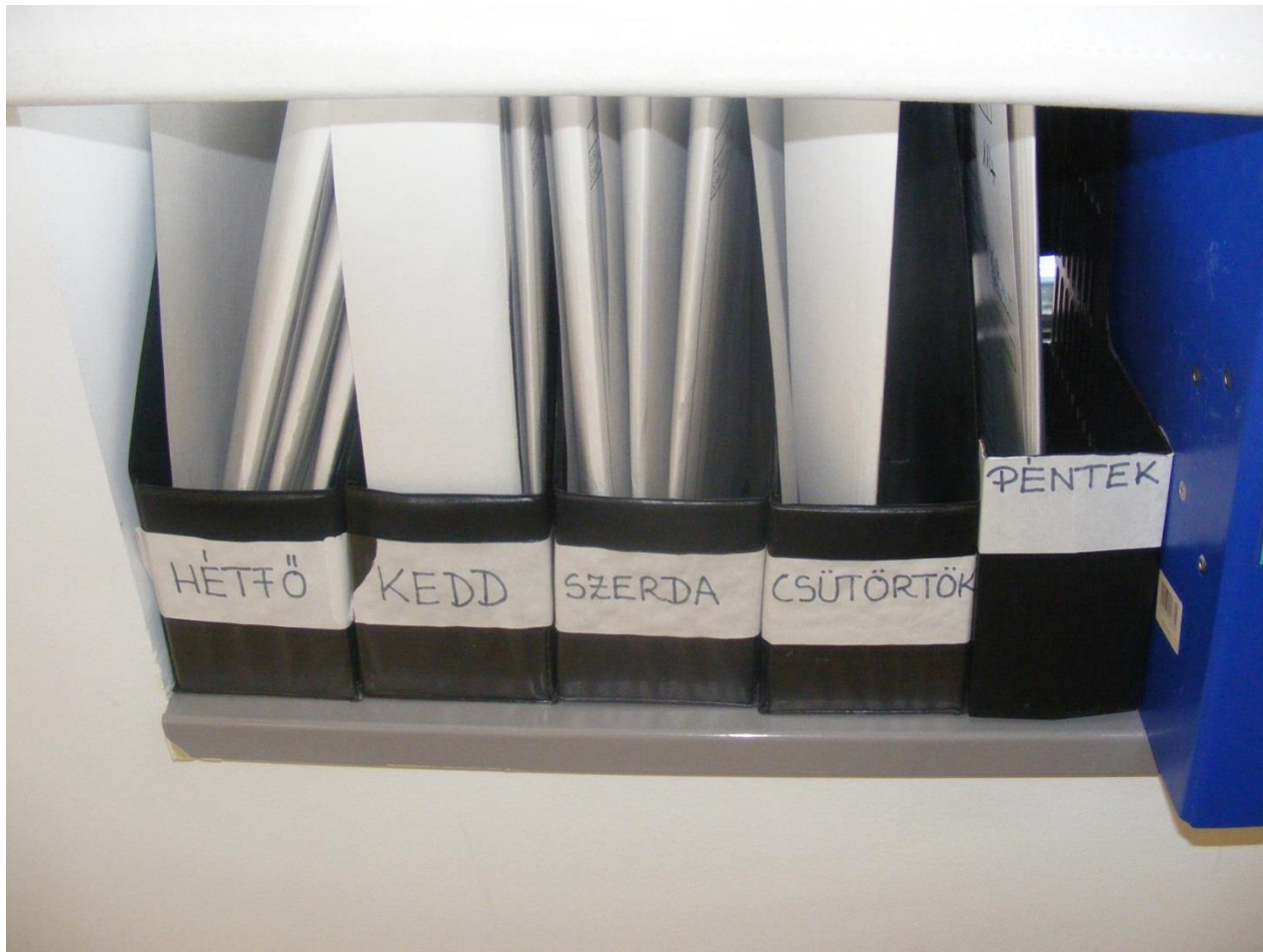
Self-service (materials, instruments)



Self-service (materials, instruments)



Anamnesis sheets



Infectious garbage



Clinic policy

- **A surgery work should be carried out in accordance with the rules of the protocol**
- A physician worthy attitude (appearance, behavior)
- Adequate knowledge of specific intervention
- Adequate communication
- Infection controll
- Four handed dentistry
- Administration (anamnezis, „patient card“)
- Compliance time (delay, early check in)