Operation of HBO2 therapy with Monochamber in one tertiary hospital in South Korea

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Introduction

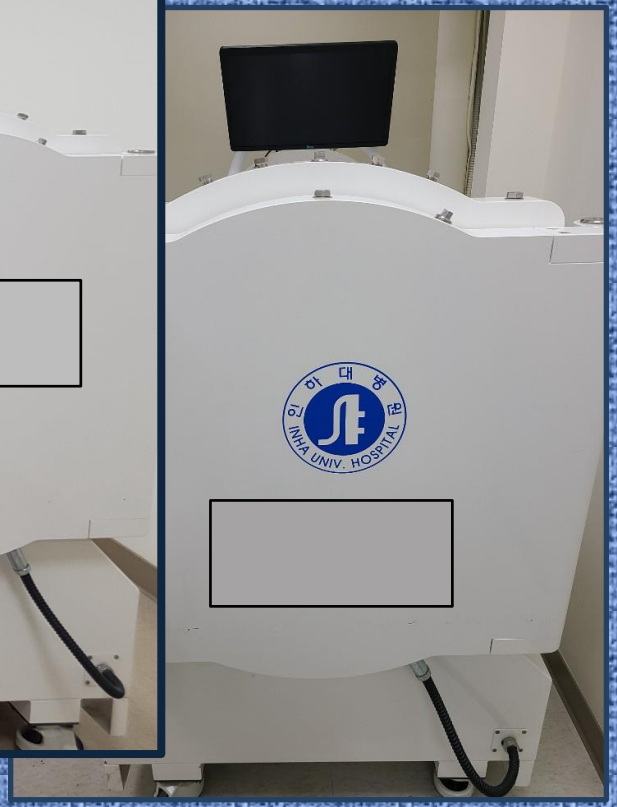
- **Hyperbaric Oxygen (HBO2) Therapy**
  - Treatment for wide variety of diseases in the clinical setting.

Frequency of treatments may vary

Material and Methods

- **Retrospec**
  - Data o

40 months
anuary 2020)



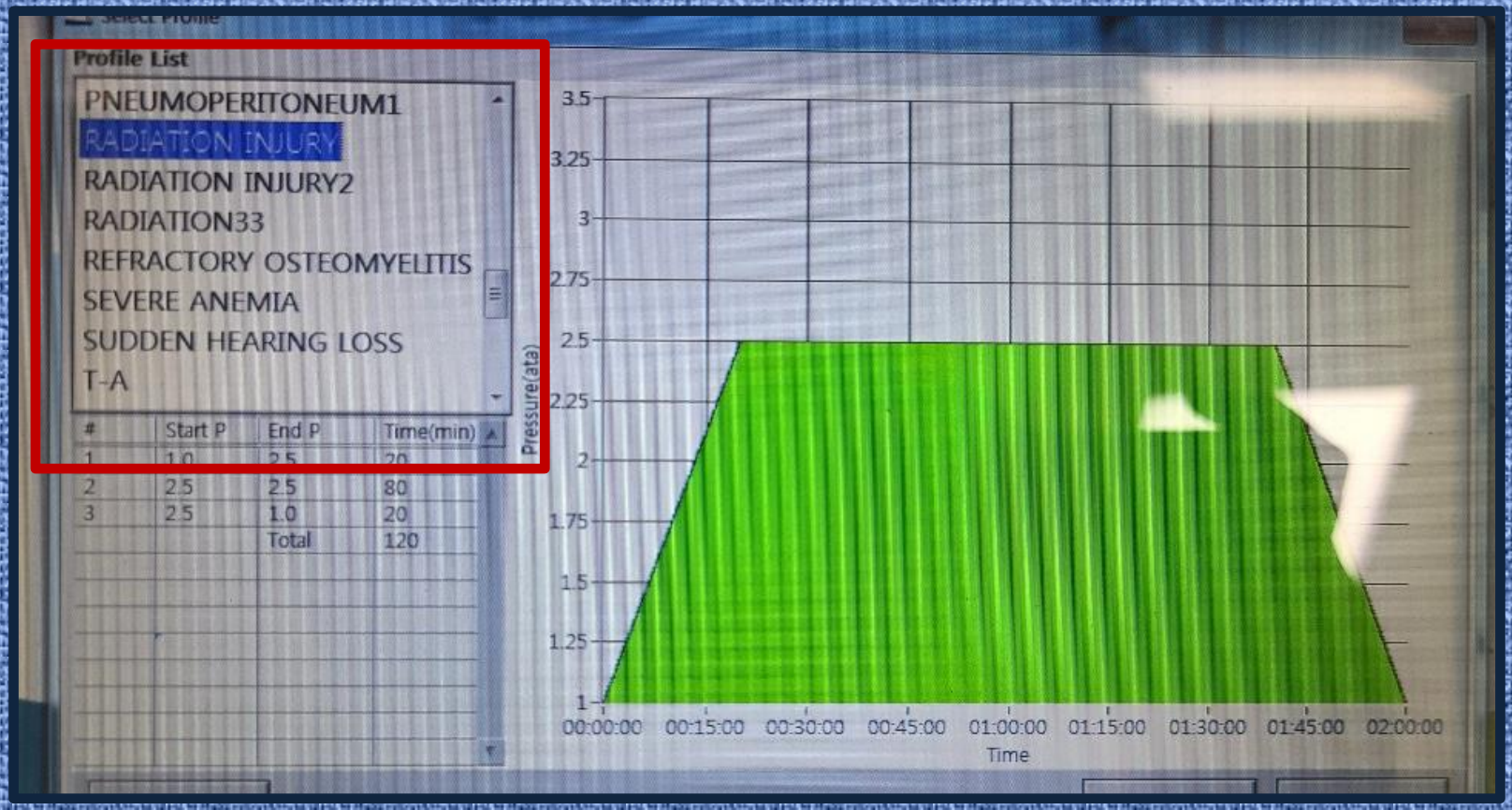
Material and Methods

Patients were classed according to 15 diseases

① Air or Gas Embolism
② Arterial Insufficiencies
③ Carbon Monoxide Poisoning
④ Clostridial Myonecrosis
⑤ Compromised Grafts and Flaps
⑥ Acute Traumatic Ischemia
⑦ Decompression Sickness
⑧ Delayed Radiation Injuries
⑨ Sensorineural Hearing Loss
⑩ Intracranial Abscess
⑪ Necrotizing Soft Tissue Infections
⑫ Refractory Osteomyelitis
⑬ Severe Anemia
⑭ Thermal Burns
⑮ Delayed Neurologic Sequelae

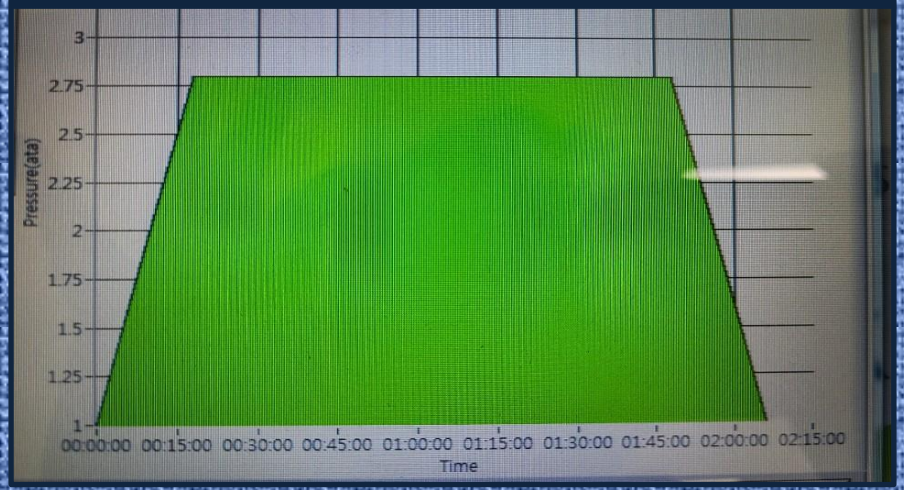
Material and Methods

Table setting of monochamber HBO2 therapy

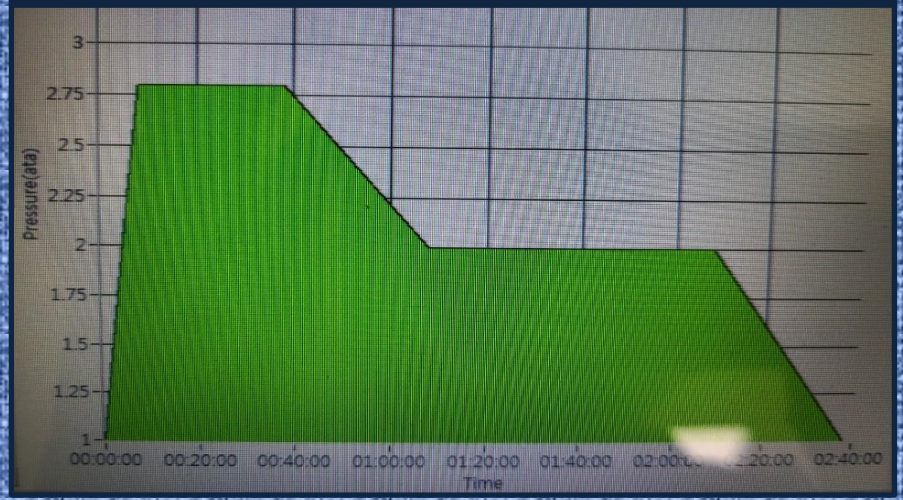


Material and Methods

CO poisoning

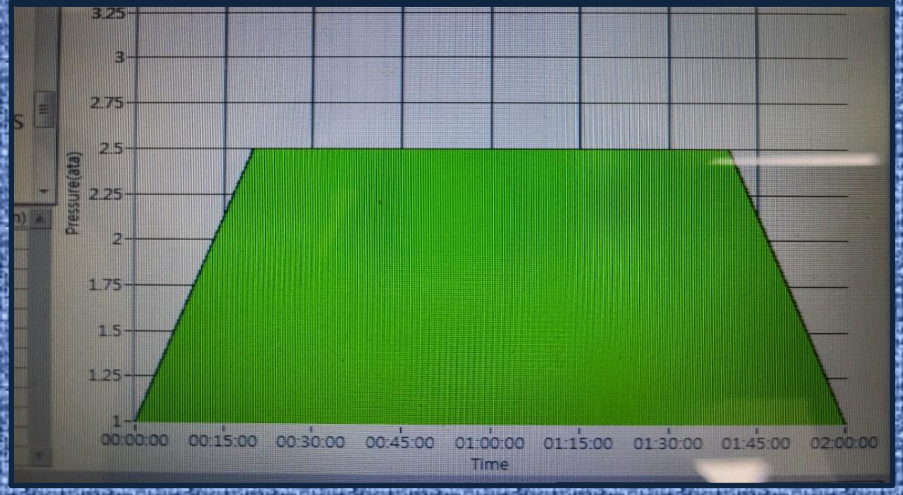


Decompression sickness



Compromised wound

Delayed radiation injury



Result

Total 383 patients

Total 3,317 HBOT sessions

CO poisoning	Graft & Flaps	DCS	Others
310	18	17	38

Delayed radiation injury	Delayed neurologic sequelae	Refractory osteomyelitis
28	23.2	14.7

SUMMARY

- **CO poisoning** patients accounted for the most treatment

- **Delayed radiation injury** is highest average number of sessions

F/U patients + Patients who have undergone RTx. in other hospitals

Multichamber HBOT

- Multichamber HBO2 therapy **since 2020.02.~**

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Multichamber HBOT

- **Mechanical ventilator care**

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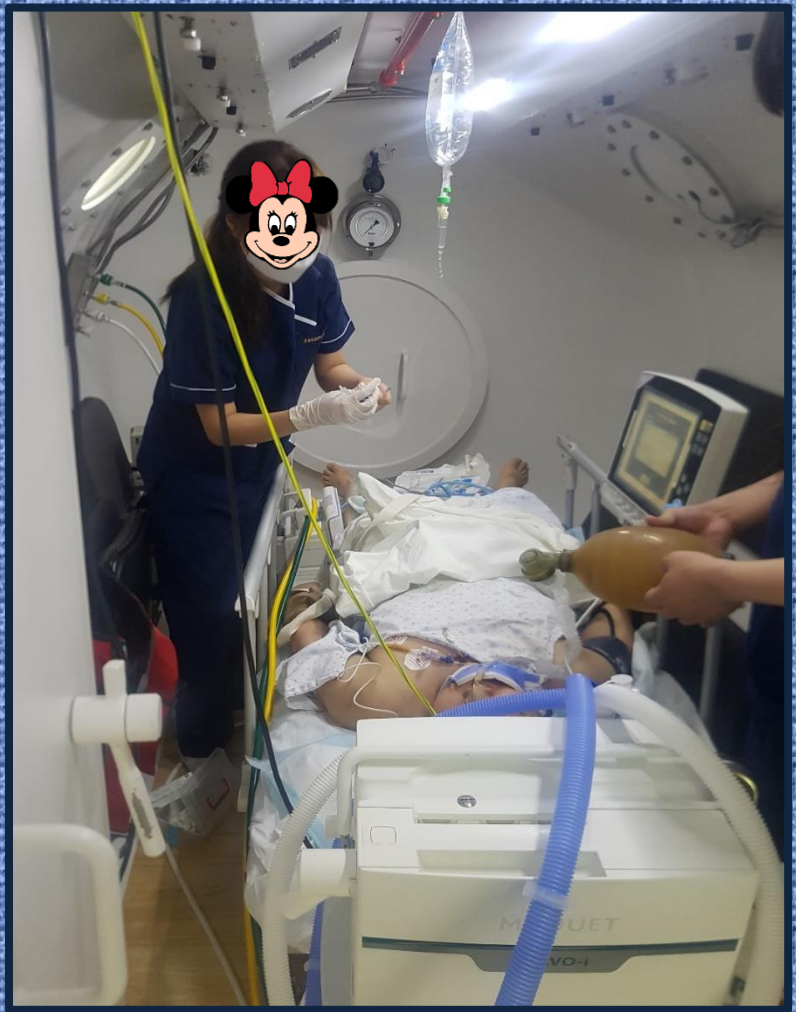

Multichamber HBOT

- **Mechanical ventilator care**

thank you.