

542/5/13

Hypotensive techniques | Physiological
trespass

C6 Hexamethonium

Afonad more generally used
because controllable

Gillies - spinal block

Hale's arteriotomy (not popular)

Use for special needs not routine
when blood really impedes surgery

Has shown us BP itself should
not be a fetish.

Gillies prerequisites -

Perfect airway

Adequate oxygen

No vaso constriction

Little's book

Hypothermia - (Hibernation)

by refrigeration
or artificial (drip)
or combination.

~~Restrict to cardiac surgery~~
~~in order to protect brain~~
when low oxygen is needed.

"Lytic cocktails"
so against my sense of reasonable

"Tranquillizers" -
not much place in routine cases.

Cardiac Surgery

Presumptions for me to talk of it here.
World wide interest
Discussions at AA

Van Bergen

Jenkins (new operations)

Lundy
Gordon

Extra Corporeal circulation
Problem of oxygenation
of blood.

Monkey lungs

Hale - injection of K citrate
for a quiet heart.

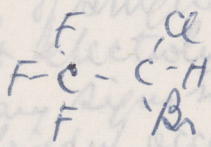
What is new

What is new on the horizon
Field is so vast one can't
keep up with it.

Lundy on { Megimide
(Shaw of Australia)
Daptazole
(reverses morphine)

Wyamine may reverse
Thorazine type of
drugs.

Fluothane -



Pure physiology
has diffusion in tissues
collecting acetylcholine

Pattern of
Research -

What remains to be done
How we are going about it
Wellcome Research Professor

Problems of Respiration ←

Ventilatory methods

MCV

ACV

CO₂ elimination - soda lime

Wriston Becker

Draper (H₂CO₃ detector)

How harmful is CO₂ excess?

Problems of surgical shock &
fluid & electrolyte replacement
(ordinary signs may be too slow)
(CO₂ build up occurs before signs)

Pure physiology

Gas diffusion in tissues

collection of acetylcholine

Pharmacological Problems

Fluothane

Nervous

(Delitron, Kadril, Prestone)

Need for efficient vaporizer
to deliver measured small
quantities.

Effect of drugs on heart -

Little stretches out cardiac
cycle.