



Ministère de la santé du Bénin



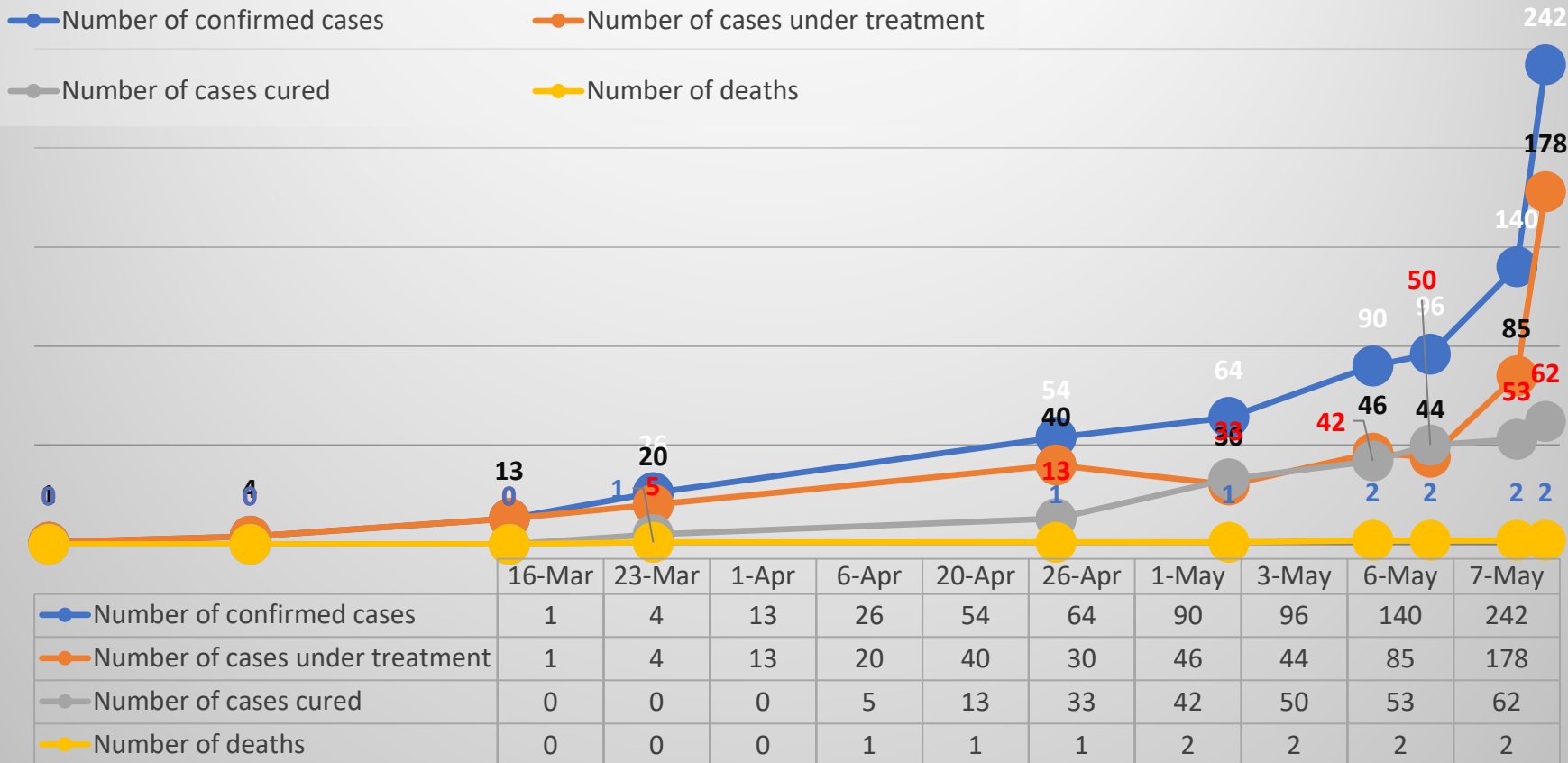
CPAP ventilators to the care of patients of Covid-19 : Case of Benin

Pascal SOROHEYE
Bio Ing



Present situation

- Support system :
- Installation of 8 centers (suction pumps, monitors and some ventilators)
 - No CPAP/BiPAP on the site

Evolution of the pandemic

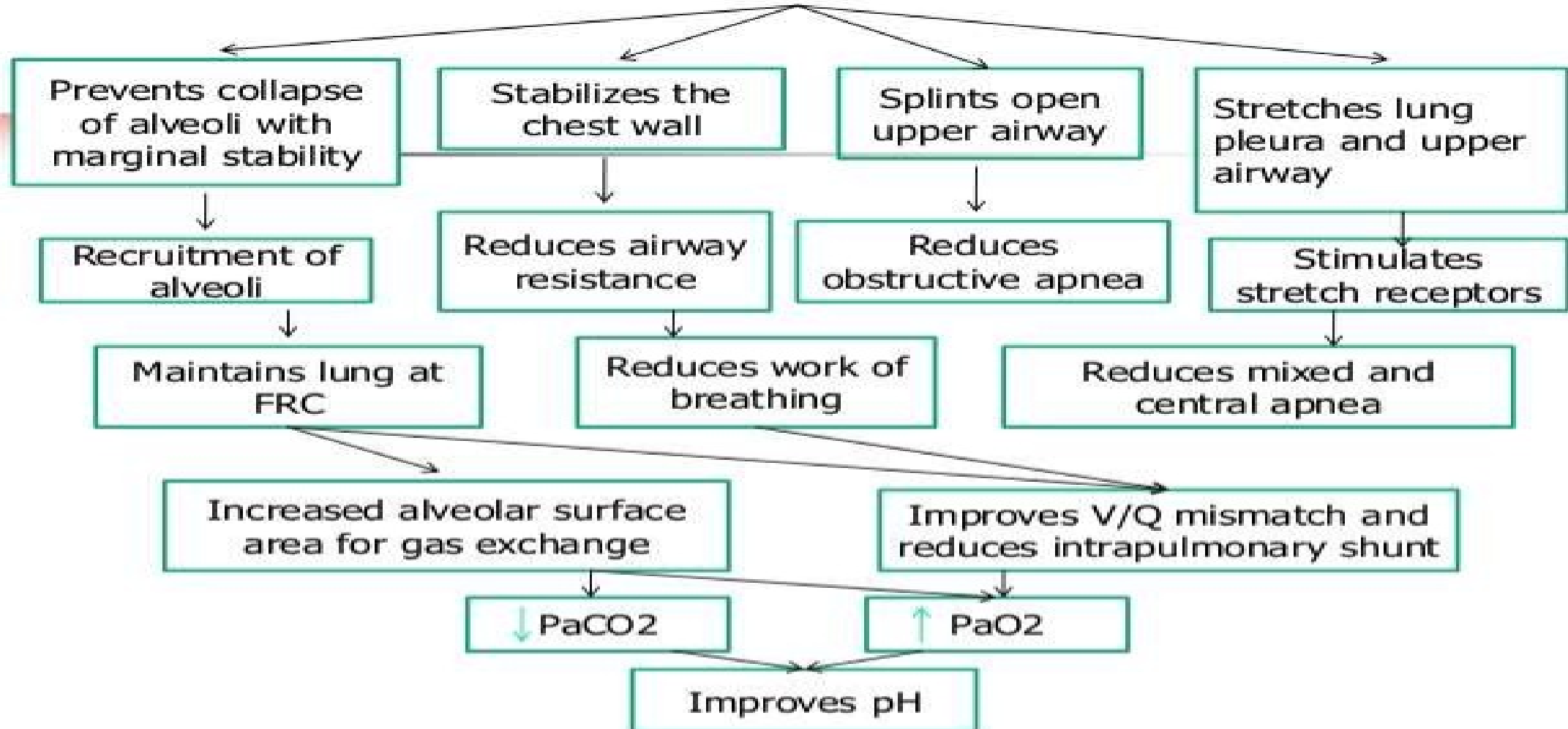


What will happened in the near future?

- Number of cases 
- But :
- Few cases of mortality (6,5% of population have more than 55 years, not too many cardiovascular diseases, dialysis, Bronchopathologies...)
- Old people live in villages no evident contact with contaminated people)
- Ventilators are not used now because no serious case. But we will prepare to receive more serious ones.
- Intubation create a trauma for the patient. May be the source of infection;
- CPAP/BiPAP are less invasive and more simple

CPAP Functions

■ CPAP



Some examples of CPAP

Fixed pressure device,
called CPAP

air at the same pressure.



Variable pressure device, AUTO
CPAP

the pressure level of the AUTO
CPAP is variable and adapts
according to respiratory events.



BIPAP, VPAP,

EPAP (Expiratory Positive Airway
Pressure) and IPAP (Inspiratory
Positive Airway Pressure



In this rapid evolution of the pandemic, what to do?

- CPAPs will play an important role
- No need to intubate patients

BUT :

- CPAP-BiPAP: maintenance and training??? (vidéo)
- Need a lot of Oxygen. Will we have enough ?
- Will the Oxygen Concentrators be useful ???
- Will we have enough oximeters ?