

# A Multi-faceted Approach To Reduce Pressure Injuries During Noninvasive Ventilation.

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# A Multi-faceted Approach to Reduce Pressure Injuries During Noninvasive Ventilation

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## INTRODUCTION

What was our current status:

- Lack of a systematic and consistent clinical management of NIV
- Lack of well designed plan to manage the chronic or refractory NIV patient
- Lack of clearly defined clinical end-points germane to NIV management
- Increase of pressure injuries associated with NIV utilization

## RESULTS

Reduce NIV Pressure Injuries															
Site	FY'16 Number	Goal	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FY'17 Total
LVH-CC	24	16	2	2	Intervention 1	0	0	0	0	0	0	0	0	0	5
LVH-M	8	5	1	0	0	0	1	0	0	0	0	0	0	0	2

A reduction from a total of 32 injuries in FY16 to 7 during FY17

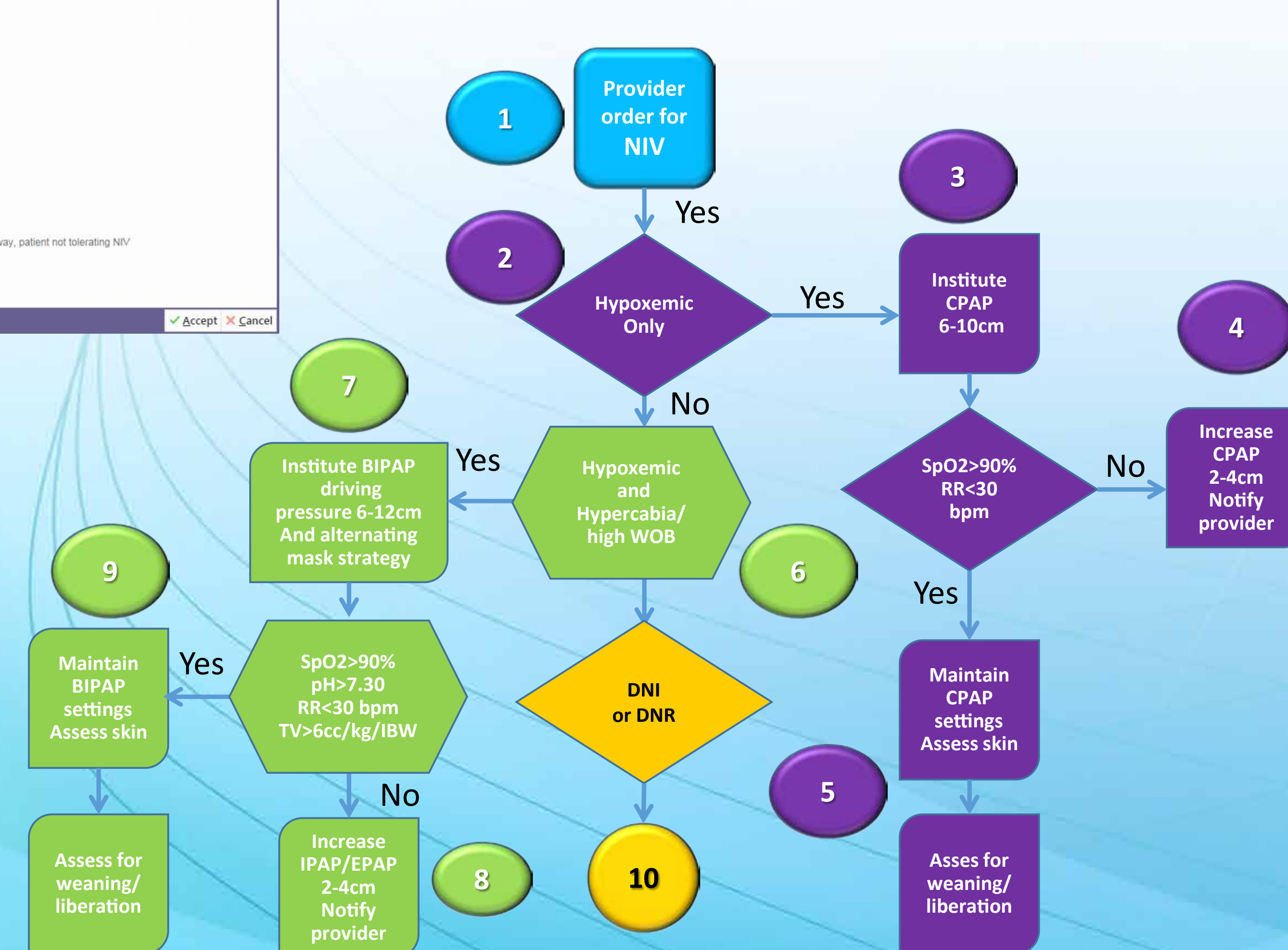
## METHODS

### Countermeasures

- Development of interdisciplinary team
- Replaced existing mask with one that allowed for a more comfortable and flexible fit
- Enhanced RRT/RN NIV mask application education
- Perform daily NIV rounds by Respiratory Educator to support practice changes
- Development of a Non-invasive ventilation practice guideline approach to NIV clinical management-with specific clinical end-points
- Utilized an enhanced skin barrier specifically designed for use under the mask
- Instituted an alternative mask strategy

### Defined Clinical End-points

### NIV Protocol



## CONCLUSIONS

The results are a combination of factors including:

- Enhanced education
- Daily NIV rounds
- Well-defined NIV clinical management end-points
- Utilization of enhanced skin barrier
- Application of well-designed NIV masks

## Future Endeavors

- Perform daily NIV rounds
- Provide education for ALL new staff
- Continue to seek additional countermeasures as needed

### Acknowledgements

We thank all the RRTs, RNs and providers who manage NIV patients on a daily basis for their clinical expertise and adherence to the NIV protocol.

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