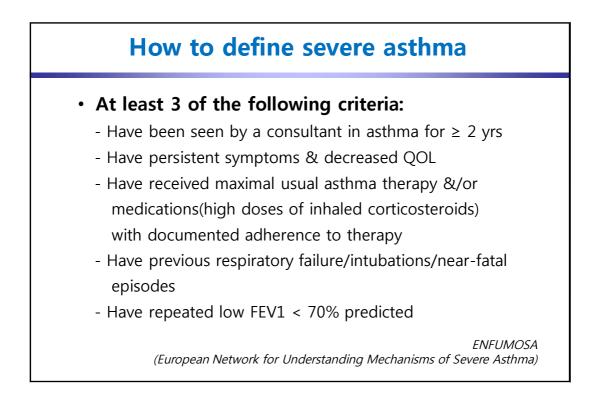
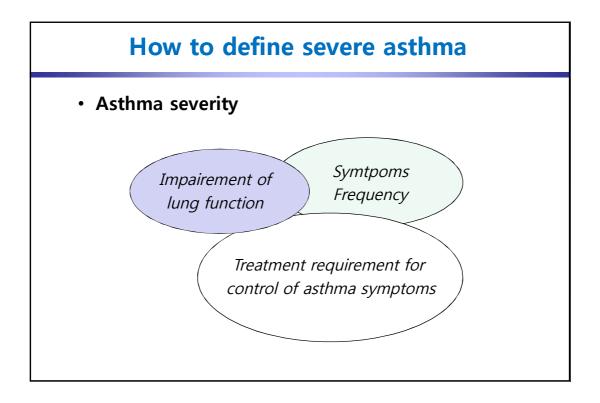
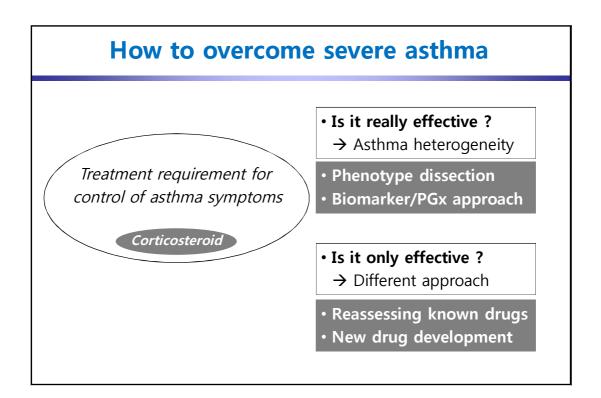
Management of Severe Asthma

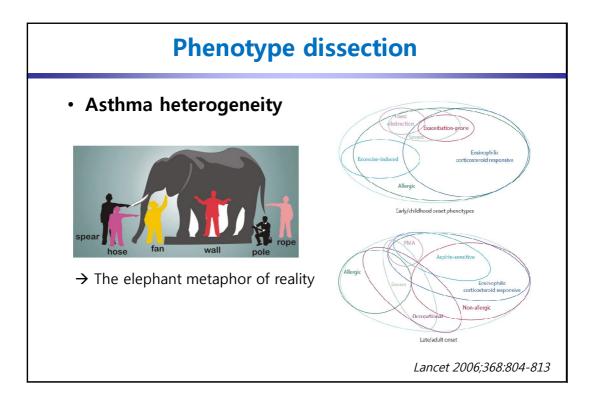
Heung-Woo Park

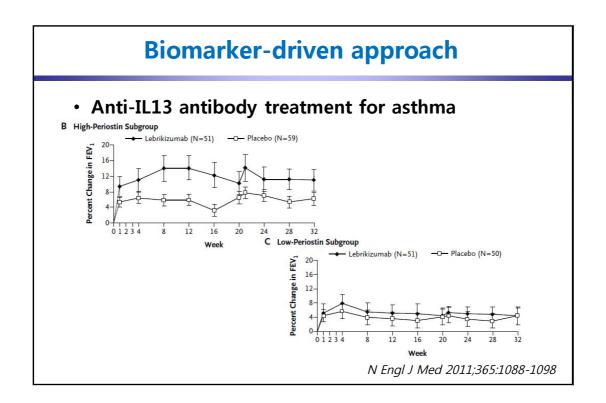
Department of Internal Medicine, Seoul National University Hospital, Seoul, Republic of Korea

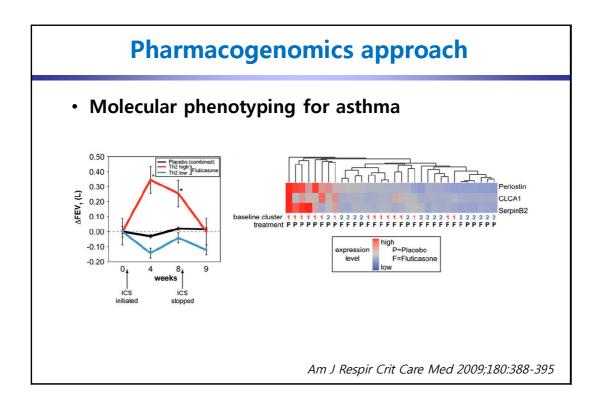


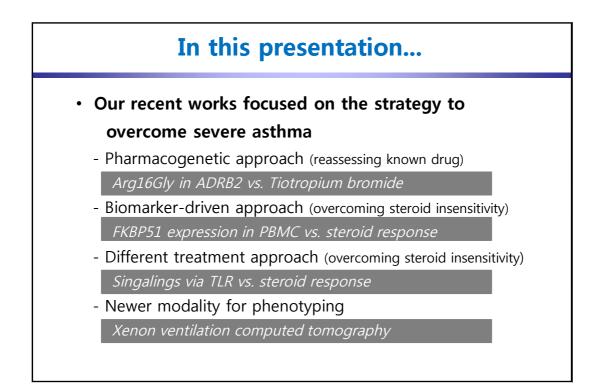


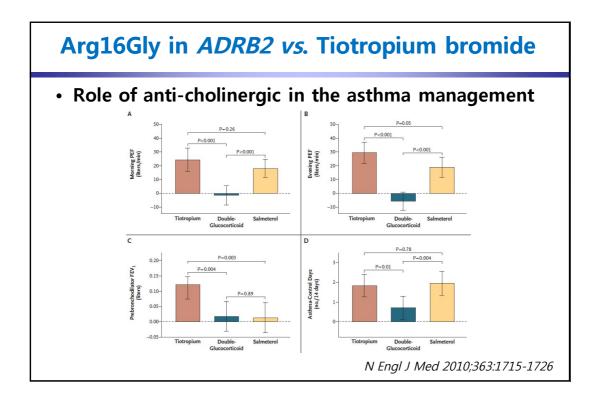


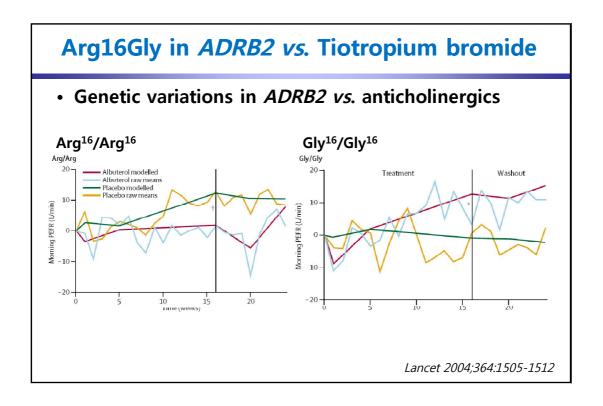


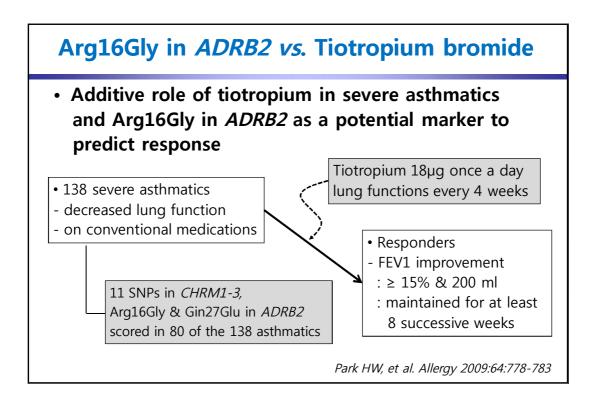


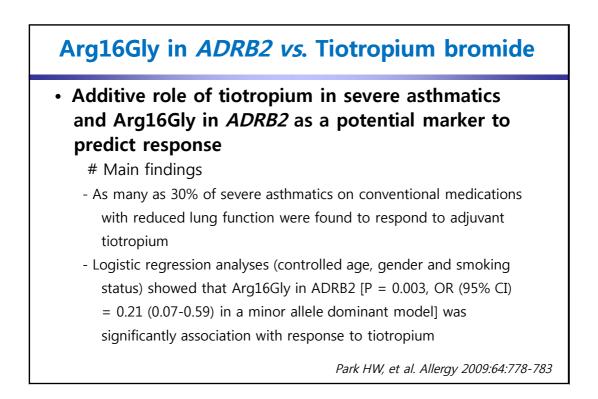


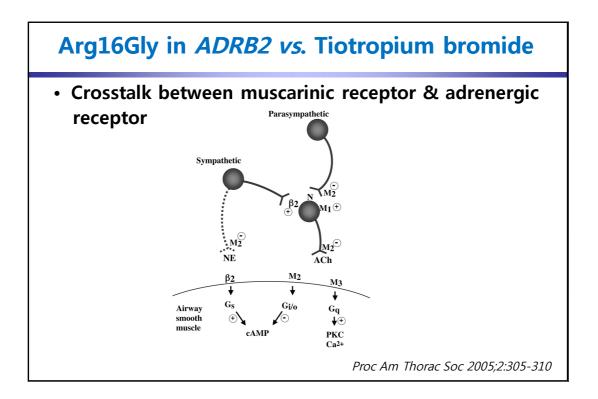


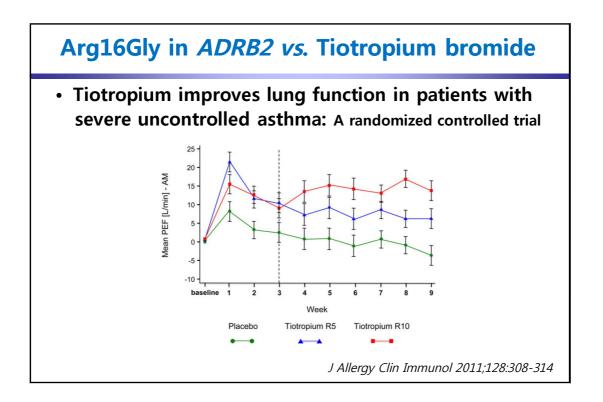


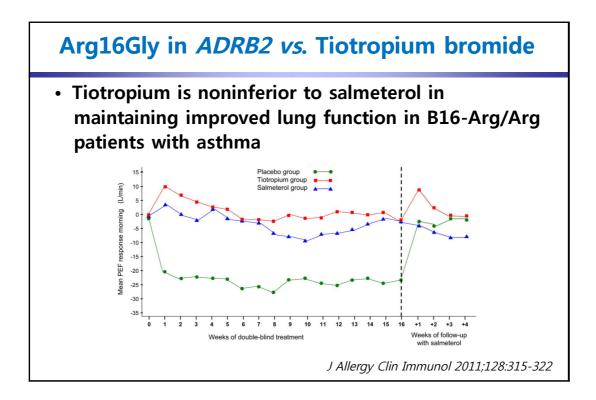


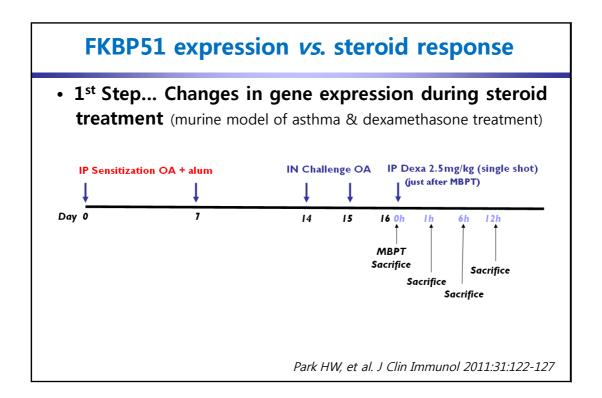


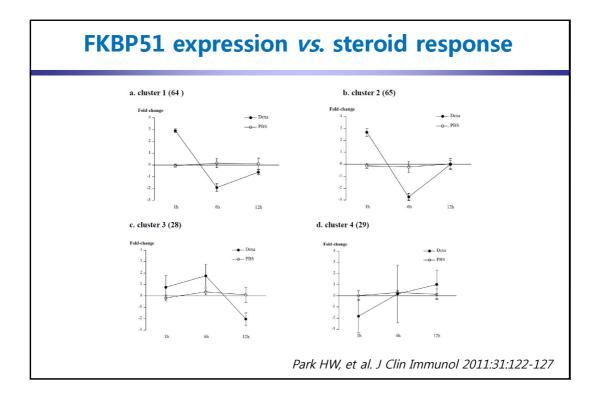


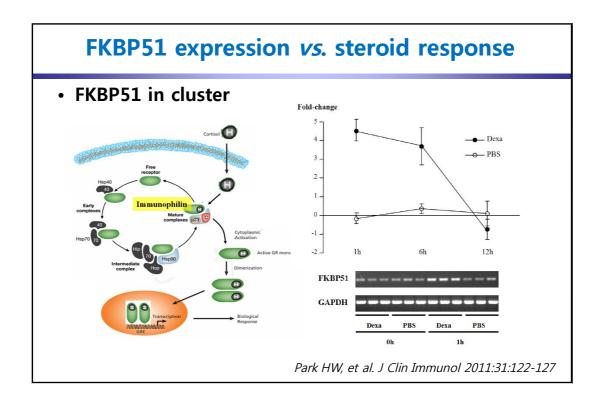


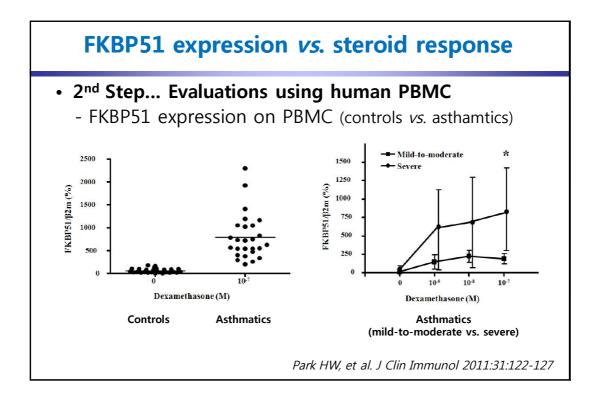


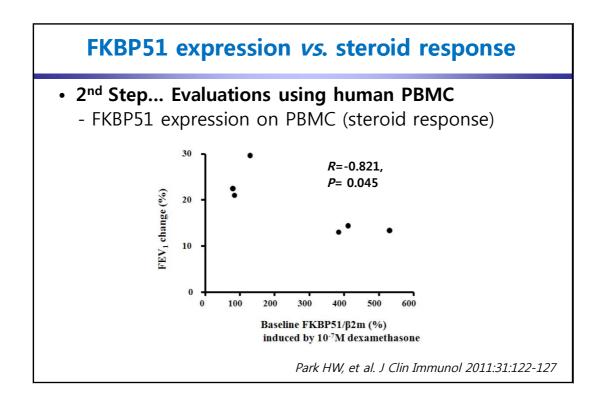


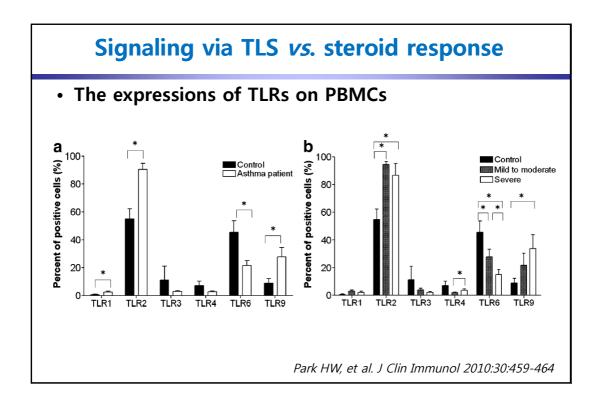


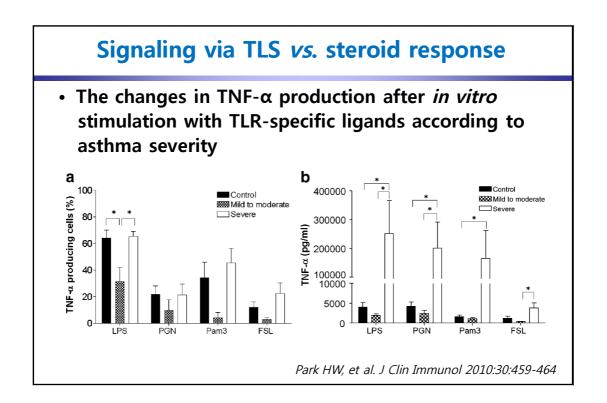


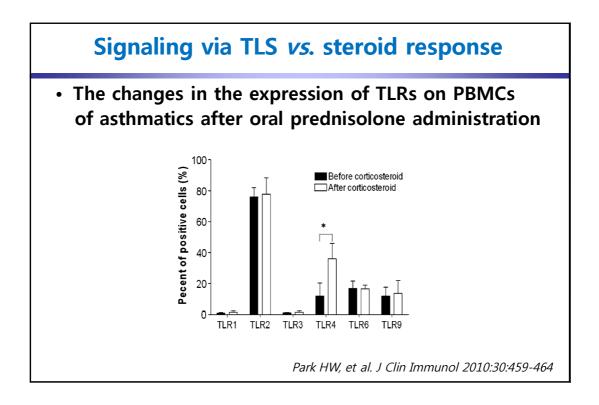


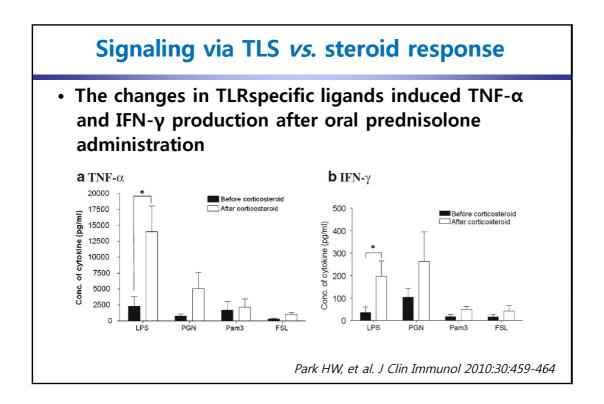


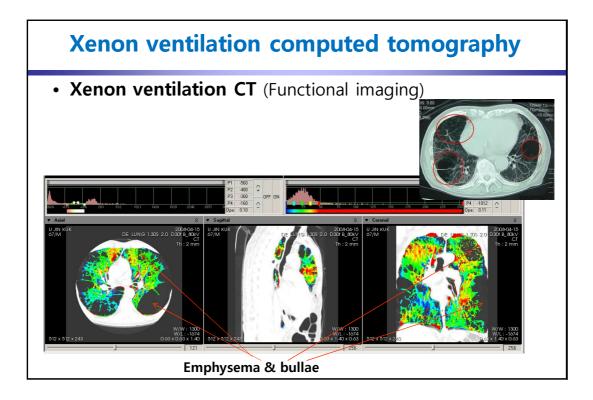


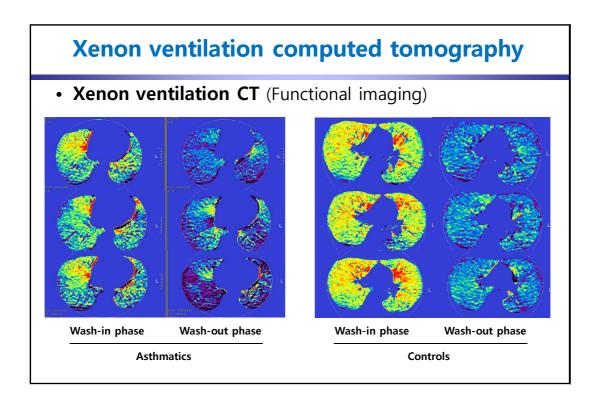


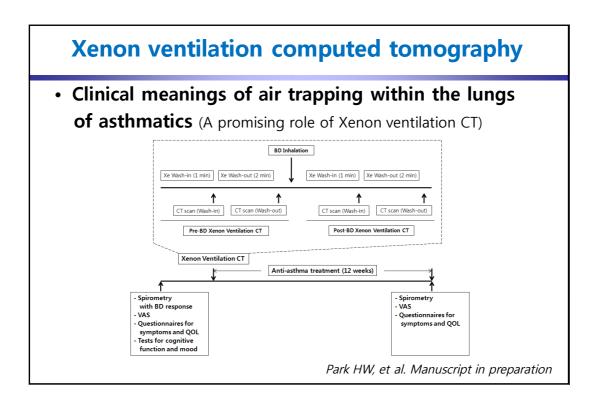




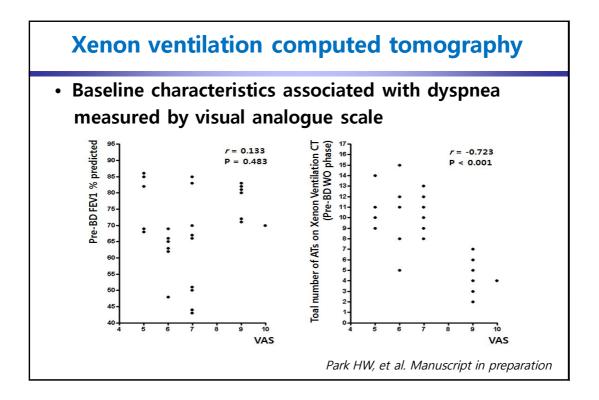


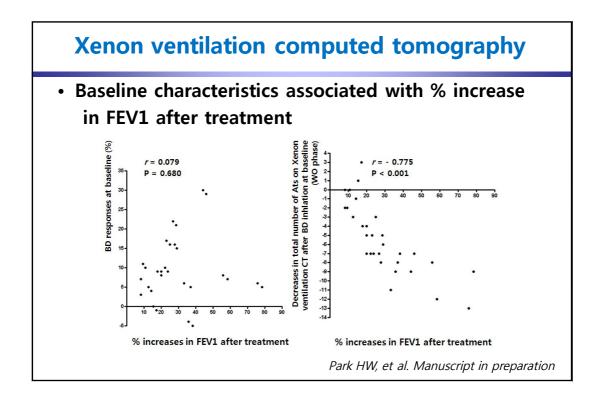






	Case 1 66-yr, female	Case 2 65-yr, female
At baseline		
PC ₂₀ (mg/ml)	1.29	5.19
FEV1 % predicted % increase in FEV1 after BD inhalation	65 5	66 -1
After 12-wk treatment FEV1 % predicted % increase in FEV1 after treatment	116 78	78 18
* Changes in total number of ATs on Xo	63	O phase at baseline
re-BD wO phase Post-BD wO pha	ase Pre-BD wO phase	Post-BD wO phas





Conclusion

Pharamcogenetic approach

- help the positioning of tiotropium in asthma management

- Dexamethasone-induced FKBP51 expression in PBMCs
 - a reliable & practical biomarker in predicting the response to corticosteroids in asthmatics

• A TLR-specific antagonist & glucocorticoid

- required for the effective control of airway inflammation in asthmatics
- Xenon ventilation CT
 - an objective & promising tool in identifying specific subset of asthma & treatment responses