Endobarrier in Type 2 Diabetes/Pre-Diabetes with Obstructive Sleep Apnoea Study- Preliminary Results

M Yadagiri¹, F Kinney¹, N Ashman², M H Lang², E Fogden³, M Anderson³, J Bleasdale⁴, C Walton ⁵, M Greenstone⁶, REJ Ryder¹ Diabetes Department, City Hospital, Birmingham, UK(1), Respiratory Department, City Hospital, Birmingham, UK(2), Gastroenterology Department, City Hospital, Birmingham, UK(3), Anaesthetics Department, City Hospital, Birmingham, UK(4), Diabetes Department, Hull Royal Infirmary, Hull, UK(5), Respiratory Department, Castle Hill Hospital, Hull, UK(6)

BACKGROUND

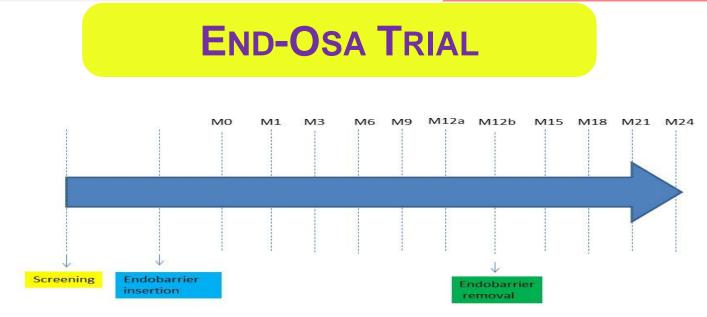
Obstructive sleep apnoea(OSA) is associated with obesity and any weight loss is known to improve OSA. Type 2 diabetes and OSA requiring continuous positive airway pressure(CPAP) are associated with obesity and independently associated with increased cardiovascular risk. Sometimes both conditions coincide in the same patient with, therefore, especially high cardiovascular risk.

Endobarrier is a relatively new device which has been proven to reduce weight and improve diabetes control in previous research trials. The Endobarrier is a 60cm long tube-like structure (open at both ends) composed of fluoropolymer flexible wall and a crown-shaped anchor composed of a nickel-titanium alloy at one end. It is an endoscopically inserted device which is deployed in the small intestine (just beyond the stomach) and removed up to 1 year later.





endobarrier related weight loss. and \leq 45 kg/m²) and age \geq 18years.



BASELINE CHARACTERISTICS

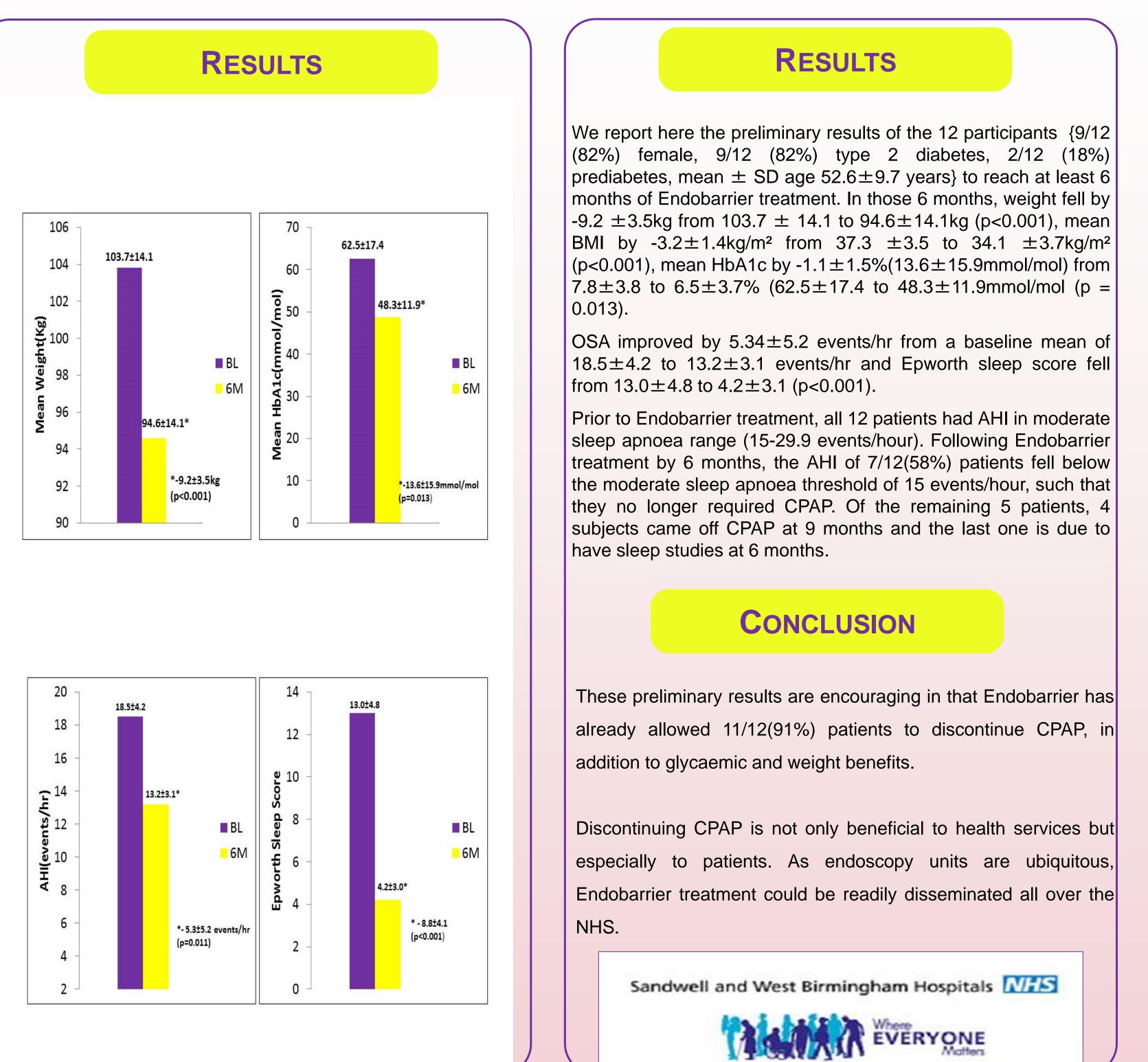
Age(years) Sex(%) Ethnicity(%) T2DM pt's (n) Pre-diabetes pt's Mean Wt(kg) Mean BMI(Kg/m² Mean HbA1c (mr Mean AHI (event **Duration of OSA** {Median(IQR)yea

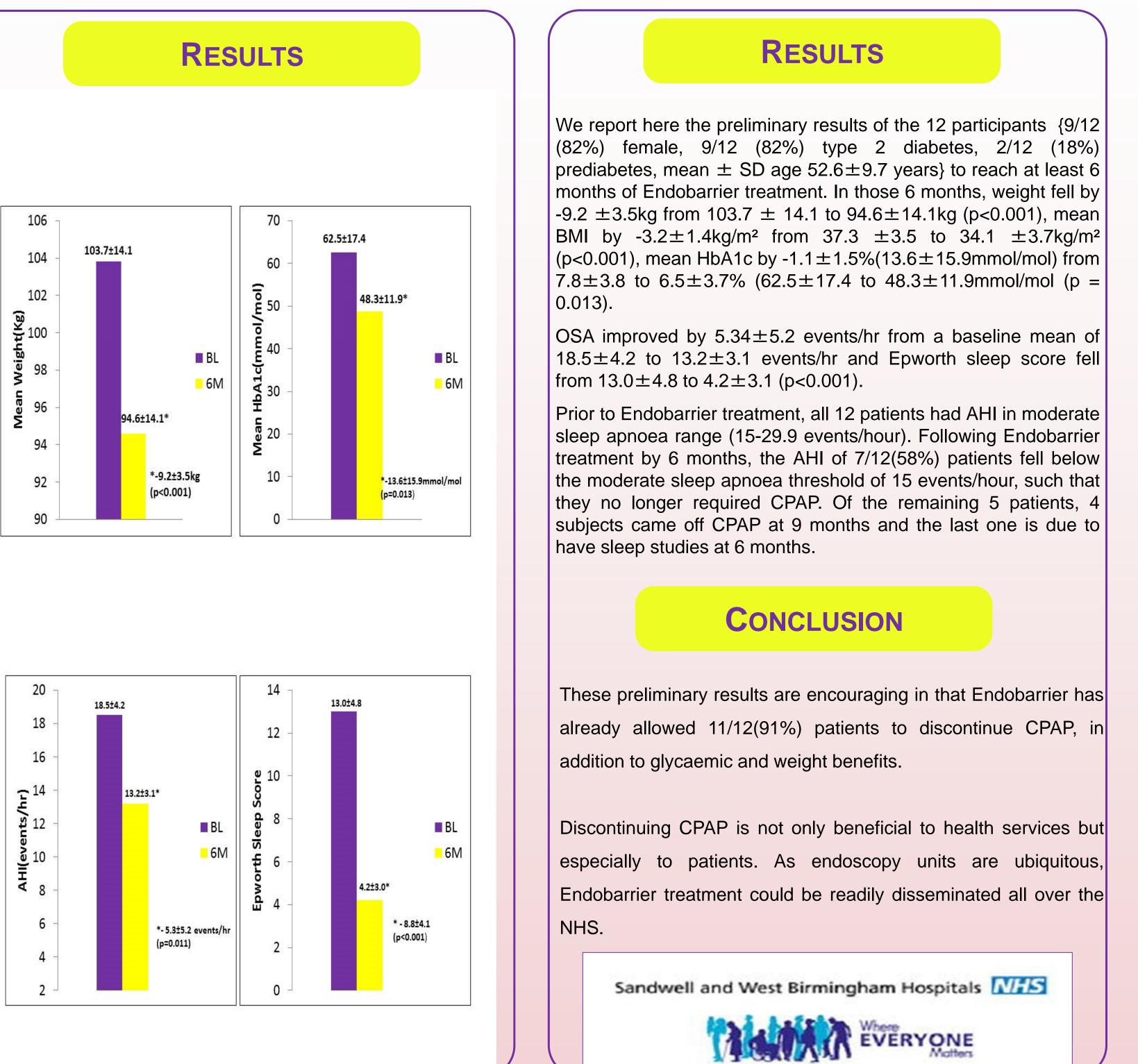
AIMS

End-OSA trial (ISRCTN:33788132) is an NIHR sponsored research trial, to assess the extent to which patients with type 2 diabetes/pre-diabetes, obesity(BMI 30-45Kg/m²) and moderate OSA requiring CPAP are able to discontinue CPAP following

It is a response to intervention trial involving 12 subjects with study duration of 24 months and including patients with moderate OSA (Apnoea Hypopnea Index 15-29 events/hr) treated with CPAP, type 2 diabetes or prediabetes, obesity(BMI between ≥30

	52.6±9.7
	Females(82%)
	Caucasian(50%)
	8
s (n)	4
	103.8±14.1
1 ²)	37.3±3.5
nmol)	62.5±17.4
nts/hr)	18.5±4.2
A ears}	1.5(1.0-2.4)





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