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Title: Adherence and tolerance of an auto-CPAP (APAP) device specially designed for occidental way of life and bedroom: Beyond technology, medical appearance is obsolete

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Body: Observance up than 3 hr/night, only is required in France to allocate reimbursement of CPAP treatment for Sleep Apnoeas Syndrome. But control of hypertension requires up than 4hr /night. Breas i-Sleep, or Fisher&Pakell ICON are clearly designed to look as a clock or a radio-alarm-clock without external electric tranformer. Aim: Definite if such CPAP device is associated with a mean sleep use up than 4hr30, achieving 3 sleep's cycles. Data collection [confort, residual AHI, therapeutic Pressure, etc.] Methods: two HomeCare HealthCare Providers (no financial or material conflict of interest), Non6comparative observational study. We collect use's duration of a non-randomized cohort of consecutive OSA patients, all ventilated by ICON, APAP mode, 4/16 cmH20, no ramp with optimal subjective comfort humidification setting. Results: 108 consecutive symptomatic OSA patients (IAH > 30/hr), evaluation time: 5 months delay treatment, [male] 61%, 65 +/- 16 y/o; residual AHI = 4,8 +/- 3,8/hr and P95% = 9,3 +/- 3,76 cmH2O. Observance 342 +/- 42 min; confort's evaluation through a modified Analogic Visual Scale (AVS) 7,4 +/- 1,2; Design's evaluation through a modified AVS 8,7 +/- 4,3. Conclusions: A pretty bedroom designed CPAP device is associated with a therapeutic duration up than 5hr30. An affective-based customer societal approach of such treatment seems relevant to enhance patient adherence. Comparative studies are required to comfort this monocentric and limited non comparative descriptive study Acknowledgements, Mrs Baucher M, Mbar®, Safond M, SOS-Oxygène®; Hesbert R, Fisher&Paykell,France.