

## Oral Microbiota in Mouth-Breathing Patients

Wā a cb' UY *GfYdlc WMM'g a i Hbg* ch'Yf' UYXc [Yb] *WGFdlc WMM'g*  
*Gdd'z @UM'VUW'i gGdd'* UbXbif dobacteria 0!% Q

GfYdlc WMM'g a i Hbg'lgU; fLā !dcghj YVUMfji a žWUFUMf]nX  
VnhYUW] ]mhc' UX\YfYlc' XbHU' gfi W' fYg'UbXlc' dfeX' W' UM]WUMX  
Zca' 'g [Ufg'UbX] bhUUbXY' fUW' i' 'f' dc' ng' UWWU] Xg'lg' UY'lc' f'g'gh  
Ub'UM]Wbj ]fcbā' Yb'i

*@UM'VUW'* UY a Ub'mfYg'cbg]VY'Zf' h'Y' dfe] f'g'cb' cZ'Wf]Yg'  
W' gbl' 'signif cant' Xlā U'Ylc' XbHU' gfi W' fYg'h'fci [ \ ' a i' h'd ] W' h'cb  
UbX' dif usion' UbX' UY' WUFUMf]nX' Vnh' YdfeX' W' h'cb' cZUM]Zf'Yg'ghlc  
g' Vg'UBVg' h'U'f'Y' W' h'Y' VUMf]U' 'c' U' g' W' U'g' W' cf' \ Y ] X] bY' UbX  
UM]X' g' I' b' ] Ya i' Hb' h'g' f'Y'lc' WMM'z' h' Y' m'cb] n' U' f' Y' g' c' z' dif' cult' UMM'g  
Zf' W' Ub] b] ' UbX' cfU' \ n' ] Y' bY' 0% Q

-h]lg' bch'g' fdf]gbl' 'h'U' h'Y' f'lg' U' signif cant' W' f'Y' U' h'cb' V' h'k' Y' b  
W' f'ci' g' 'Y' g'cbg' UbX' h'Y' ei' Ub] h' m'c' Z' U' M' V' U' W' i' g' ] b' V' ch' ' U' X' ' h'g' UbX  
W] X' Y' b' 0&Q' -b' cf' X' f' 'lc' j' Y' ] Z' n' h' Y' f'lg' 'c' Z' ] b' V' X' b' W' c' Z' W' f' ] Y' g' ] h' ] g'  
b' Y' W' g' ] f' m'lc' 'Y' U' i' U' h' b' ch'cb' m' h' Y' d' f' Y' g' b' W' c' Z' *GfYdlc WMM'g a i Hbg*  
V' h' U' g' c' Z' *@UM'VUW'i gGdd'* 0&Q

### A UMF]Ug'UbX' A Yh'c' Xg

-b' h'lg' gi' Xn' h' Y' 'Y' Y' g' c' Z' *GfYdlc WMM'g A i Hbg* UbX' *@UM'VUW'i g*  
*Gdd'* ] b' h'Y' g' U] j' U' c' Z' h'Y' d' U] Y' b' g' Y' b' c' 'X' k' Y' Y' 'Y' U' i' U' h' X' ' T' e  
g' ] a' i' U' h' X' g' U] j' U' f' n' f' ow, h' Y' g' U] j' U' b' u' f' e' r' i' n' g' d' c' k' Y' ' U' b' X' h' Y' G' ] b' Y' g' ] c' Y

**Variables**

K \]YhYei UblmZ@UWV/ggd"kgdif erent fWblfc`[ fci d  
HS1%1 žHdŠ žH&1%š žHgi [ fci d HS1Š žH(d)1 žH&1' )1 E.]b  
HVY\*`dYfWbUjYcZdUjYbg`k|h`@UWV/g%š`7: I`UbXhY  
Wá dlf]gb`cZhYkc`[ fci dgUWfX]b[ `le`hY Gi XbhghZbW]cb "

T e fYg lgcZci f gi XngYa lc ]bXWYhUhUWffYWlfYUa YbhcZ  
hYXbhc!dMjcXcbU dfcVYa gfYUHXlc hYdfYgbWcZfYgJfUcfm  
XZWMg]bVch dYXUf]WbXUx hdUjYbqzbUhfU mdfWXXVmUf m  
]bhfVdlhcb UbXxUj bcdgcZg W XlgrXfgr]gUWYlc dfej ]XYUj UjX  
Wbhf]Vi hcbhc ja dfej ]bl dUjYbq \YUh "

hWb VY WbgXfYX cZZ bXLa YbU ja dcfHbW hUh hY 8 Ybqgh  
]bhfVdlgYf mcb hYa cfd\cZ bWjcbU UhfUjcbgcZ hY Wb]cZMU  
Xlgr]WUg hY dcdg]VY W gY cZfYgJfUcfmXlgrXfgr UbXWbgYei Ybh  
WUj b cZfYUHX dUhc c ] Ygr UbX h Uig \Y# YVYfYUx mlc ]bhfj YbY ]b  
hY UhfUjcb cZ hY cfU Wj ]hmWbbYMXlc hYa zUgc VmYX Wjbl  
UbXa chj Ujbl \Yf# ]gdUjYbq'

## FYZfYbWg

% JUYf]U]: zDfchbc`7z; ]UbZUbWgW]; z7cmUz7Ua dUyUJzYhU"  
f88%L:bZWjcb Wbhc` ]b \YUh WfY g]h]b]g DfgrWj] YgZf`a z8B5

' + " 5fYbXcfZHE5XXmA 'f%, )E:7UbXQU' Wff]U' YUbX d' Uei YX]gf]Vi ]cb  
VZ:fYZX f]b[ 'UbXaf er