Efficacy of Paroxetine HCL in the Treatment of Tinnitus.

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History of tinnitus date back to ancient Egypt.
In Europe 14-19% of population had tinnitus.
36 millions Americans had tinnitus.
More than 300 millions in the word had attack of tinnitus.
Study Design

✔ Interventional study.
✔ Patients with tinnitus using conventional treatment for one month.
✔ If there was no clinical improvement from tinnitus.
✔ They will be shifted to seroxate 20 mg for one month
Subject & methods

✔ Pts. Referred from GP clinic at Al-Hada military Hospital Taif diagnosed as having tinnitus.
✔ History.
✔ Examination of the ear.
✔ Audiogram.
✔ ABR.
✔ MRI.
CONT.

✔ Evaluation by psychiatrist to rule out any psychological diseases.
✔ Study carried out between 2004-2008
✔ At Al-Hada military hosp-Taif
✔ Age 35-60 year M
✔ All with normal Audiogram
✔ 34 pts. Bilateral Tinnitus- 93 pts. unilateral

Cont.

✔ After examination & investigation
✔ Start with conventional treatment (betaserc) for 1 month
✔ If no improvement
✔ Start with seroxat 20mg OD for 1 month.
✔ F.U in OPD
Results

- 85 pts with the Tinnitus out of the 127 (66.9%) showed clinical improvement from Tinnitus with the use of seroxat for 1 month.
Patients with tinnitus (age 35 – 60 ys)

N = 186

**Betaserc**

- N = 127
- 68% Not Improved

**Seroxate**

- N = 41
- 32% Not Improved

**Exclude**

- ENT
- Psychiatric

N = 59
- 32% Improved

N = 86
- 68% Improved
Discussion

- Possible association between tinnitus and depression?
- Beneficial effect related to gender?
- Sample size?
- Study design?
Conclusion

✓ There seems to be a beneficial effect from the use of seroxat in the treatment of Tinnitus.

Recommendation

✓ Further studies are required to confirm findings using Randomized Controlled Clinical Trial.
✓ Age and Gender factors to be examined.
✓ Associated medical conditions.
Thanks