Silodosin as a new treatment option for Premature Ejaculation
-Silodosin vs naftopidil-

Sanjukai Urological Hospital Chubu Rosai Hospital
Nagano Red Cross Hospital,
Araki kidney and urology department clinic

Yoshikazu SATO, Toshikazu OTANI, Toshiyasu AMANO,
Tohru ARAKI, H NAKAJIMA, T NITTA, K AKAGASHI,
T HANZAWA, M TOBE, K HAGA, K Uchida, I HONMA

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Effects of $\alpha_1$-Blocker on sexual function

$\alpha_1$-Blocker

Suppression of Ejaculation

Treatment for PE
Is Hero in sexual function?  

Eja-Dysfunction
Is Dark side in sexual function?

Silodosin

A highly selective $\alpha_1$A-adrenoceptor antagonist.
Goal: Effects of silodosin on PE
-Silodosin vs naftopidil-

Why do we use silodosin for PE?

1) Highest rate of Eja-D (Highest potential)
2) Safety (large clinical data for LUTS)
3) Clear mechanism (seminal emission↓)
4) Orgasm is preserved

<table>
<thead>
<tr>
<th>Drug</th>
<th>Rate of Eja-D</th>
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<tbody>
<tr>
<td>Silodosin</td>
<td>14.2-28.1%</td>
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<tr>
<td>Tamusulosin</td>
<td>4.2-18.1%</td>
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<tr>
<td>Naftopidil</td>
<td>0-3%</td>
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Patients and Method:

- Twelve patients/ Mean age 43y.o./Mean length of PE 7ys
- Definition of PE: persistent or recurrent ejaculation with minimal stimulation before the person wishes it. (Life long PE, Acquired PE).
- Patients administrated silodosin 4 mg and naftopidil 25 mg (1 hours before intercourse) in turn at least 3 times each.
- End points: Intravaginal ejaculatory latency time (IELT), Satisfaction of S.I. Systemic adverse events.
Change of intravaginal ejaculation latency time (IELT)

Baseline | Silodosin (4mg) | Naftopidil (25mg)

(n=12)

IELT (min)

p=0.013

p=0.0003

p=0.014
Change of Satisfaction with intercourse

- Baseline
- Silodosin
- Natpidil

- good/very good
- fair
- very poor/poor

(n=12)

Compared to Baseline: p < 0.01
Naftpidil: p < 0.01
Changes of semen volume and its bothersome

- Changes of semen volume:
  - silodosin (n=12)
  - naftopidil (n=12)

- Bothersome for decreased semen volume with silodosin (n=7):
  - Big/Moderate Problem: n=4
  - No/Small Problem: n=3

- Values:
  - not at all
  - very decreased
  - slightly decreased
  - normal

- Significance:
  - p=0.017
Effects of Dose reduction for reduced semen volume

Patients felt bother for reduced semen volume with 4mg silodosin

Dose reduction of silodosin
4mg → 2mg

Normal semen volume
Enough IELT
Good satisfaction
Conclusion

- Silodosin significantly improved PE and related problems than naftpidil.
- Reduced semen volume with silodosin was able to manage by dose reduction.
- Our current results suggested the potential of silodosin as a new treatment option for PE.
Suppressive actions α1-blocker for Ejaculation is not dark side. It can be a hero in the men’s health.