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**Article:**

Webb, E [orcid.org/0000-0001-7918-839X](https://orcid.org/0000-0001-7918-839X), Meads, D [orcid.org/0000-0003-1369-2483](https://orcid.org/0000-0003-1369-2483), Eskytè, I et al. (9 more authors) (2020) The impact of reproductive issues on preferences of women with relapsing multiple sclerosis for disease modifying treatments. *The Patient: Patient Centered Outcomes Research*, 13 (5). pp. 583-597. ISSN 1178-1653

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## Online supplementary material

**Article title:** The impact of reproductive issues on preferences of women with relapsing multiple sclerosis for disease modifying treatments

**Journal:** The Patient – Patient Centered Outcomes Research

**Authors:** Edward J.D. Webb, David Meads, Ieva Eskytė, Helen L. Ford, Hilary L. Bekker, Jeremy Chataway, George Pepper, Joachim Marti, Yasmina Okan, Sue H. Pavitt, Klaus Schmierer, Ana Manzano

**Corresponding author:** Edward J.D. Webb; Leeds Institute of Health Sciences, University of Leeds; [e.j.d.webb@leeds.ac.uk](mailto:e.j.d.webb@leeds.ac.uk)

## NGene code

Design

```
;alts = alt1, alt2
```

```
;rows = 50
```

```
;block = 10
```

```
;eff = (mnl,d)
```

```
;rep = 500
```

```
;rdraws = halton(250)
```

```
;alg=mfederov
```

```
;reject:
```

```
alt1.relnum<=alt2.relnum and alt1.functioning<=alt2.functioning and alt1.side<=alt2.side and  
alt1.washout<=alt2.washout and alt1.safepreg>=alt2.safepreg and  
alt1.breastfeed<=alt2.breastfeed,
```

```
alt1.relnum>=alt2.relnum and alt1.functioning>=alt2.functioning and alt1.side>=alt2.side and  
alt1.washout>=alt2.washout and alt1.safepreg<=alt2.safepreg and  
alt1.breastfeed>=alt2.breastfeed
```

```
;model:
```

```
U(alt1) = b_relnum[n,0,0]*relnum[1,2,3] + b_functioning[n,0,0]*functioning[650,700,750] +  
b_side.dummy[n,0,0|n,0,0]*side[0,1,2] + b_admin.dummy[n,0,0|n,0,0|n,0,0]*admin[0,1,2,3]+  
b_washout[n,0,0]*washout[0,1,3] + b_safepreg[n,0,0]*safepreg[60,70,80] +  
b_breastfeed.dummy[n,0,0]*breastfeed[0,1]
```

```
/
```

U(alt2) = b\_relnum[n,0,0]\*relnum[1,2,3] + b\_functioning[n,0,0]\*functioning[650,700,750] +  
b\_side.dummy[n,0,0|n,0,0]\*side[0,1,2] + b\_admin.dummy[n,0,0|n,0,0|n,0,0]\*admin[0,1,2,3]+  
b\_washout[n,0,0]\*washout[0,1,3] + b\_safepreg[n,0,0]\*safepreg[60,70,80] +  
b\_breastfeed.dummy[n,0,0]\*breastfeed[0,1]

\$

**Table A 1: Attributes included in the general but not the reproduction discrete choice experiment**

Attribute	Level 1	Level 2	Level 3	No treatment level
Relapse severity	Requires no steroids	Requires oral steroids	Requires intravenous steroids	Requires intravenous steroids
Chance of additional long-term and/or life-threatening medical condition over 4 years	100 in 1000 (10%) chance of long-term condition 2 in 1000 (0.2%) chance of life-threatening condition	200 in 1000 (20%) chance of long-term condition 10 in 1000 (1%) chance of life-threatening condition	300 in 1000 (30%) chance of long-term condition 20 in 1000 (2%) chance of life-threatening condition	