PREPARED FOR ANYTHING?
FURTHER INVESTIGATION OF GENITAL CATEGORY-SPECIFICITY IN WOMEN

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Background

• Category-specific sexual arousal: sexual arousal that is dependent on certain features of a sexual stimulus

• Men's genital responses tend to be category-specific, but women's do not
  • Men show their greatest genital response to stimuli involving their preferred sexual partners
  • Women show approximately equal (and high) genital responses to stimuli depicting preferred and non-preferred sex partners

• The preparation hypothesis suggests that any sexual cue should produce a genital response in women, even cues that are unappealing to women

• Prediction: Women will show high genital responses to any stimulus that has sexual content, regardless of the degree of violence or consent described, whereas men will only exhibit high genital responses to consenting, non-violent sexual activity

Method

• Participants: 9 men (M age = 23.4, SD = 3.0), 11 women (M age = 21.8, SD = 2.7); self-identified sexual orientation as either bi-sexual or heterosexual

• Genital measures: circumferential phalometry or vaginal photoplethysmography

• Stimuli: audiotape narratives of interactions with a man, told by a woman from her point of view

• Narratives varied based on three types of content, which were factorially crossed:
  • violence (violence/injury versus none)
  • consent (consent/enjoyment versus refusal/displeasure)
  • sexual content (sexual versus non-sexual)

• Participants heard 2 stories from each of seven stimulus categories (one category was not used: non-sexual, non-violent, non-consent)

• Data reduction: genital responses were standardized within subject; responses were then averaged to create mean stimulus category scores for each subject

• Data analysis: 2 (sex) X 7 (stimulus category) ANOVA; dependent variable = mean genital response

Results

There was a significant interaction between sex and stimulus category, F(6, 108) = 2.74, p < .05; η² = .13.

Men showed their highest genital response to consenting, non-violent sexual activity.

Men also showed some genital response to consenting, violent sexual activity and non-consenting, non-violent sexual activity.

Women showed significantly higher levels of genital response to stimuli that involved sexual activity, regardless of violence or consent, relative to neutral stimuli.

Women also showed significantly higher genital response to consenting, non-sexual violence.

Summary and Discussion

• Preliminary results from this study support the preparation hypothesis: Women showed increased genital arousal to any stimulus category that involved sexual activity, relative to the neutral stimulus category, even when they rated the stimuli as unpleasant and anxiety-inducing (data not shown)

• Men's genital responses were category-specific with regard to type of sexual activity, as found in previous studies

• Women's increased genital response to the consenting, non-sexual violence category may have been due to the phrasing of the scripts for these stories (e.g., “Don't stop, don't stop!”; “Oh, yes, please, please; punish me, beat me!”)

• Further investigation is required to determine the influence of other stimulus features on genital responding and the degree of lubrication produced by various stimuli

References


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