

Mirror Mirror: A Look into Muscle Dysmorphia Jamie Scott & Olivia Parker Frederick Grieve, PhD., WKU

ABSTRACT

Mouto dynamophia is a substating or flood givenoplic disorder. With mustle dynamophia, there is an externed entire by gain body max, and this is instantiented by many protological and contract the contract of the contract

INTRODUCTION

Association, 2013). The DSM-5 states that MD is present in "the individual is preoccupied with the idea that his or her body build is too small or insufficiently muscular" (American Psychological Association, 2013, p. 243).

Whereas the orders for NO specifically is limited in the DOMAS, comprehensive diagnostic criteria is provided by Olivarial (2001). If All, a person believes that is no her body is not sufficiently lean and muscular Second, this belief causes clinically applicant distense or sufficiently lean and muscular Second, this belief causes clinically applicant distense or a composition of the second of a composition of the second of a composition of the second of a composition to worknot and det, b) avoiding situations where one's body is exposed, c) displaying clinically applicant distress in important areas of function due to the prescription, and c) continuity applicant distress in important areas of function due to the prescription of continuity applicant distress in important areas of function due to the prescription of continuity and prescription of the control of the prescription of the control of the control of the provide provide and behavioral symptoms. Attitudes that are characteristic of muscule dynamychia include an externed solid of the current to dry hase. Behavior indicative of muscle dynamychia sociale and control of the current to dry hase. Behavior indicative of muscle dynamychia sociale causes we applied thing, large commentation of muscle of promorphia sociale occasive weight filing, large commentation of

Specific to the interest of the current study we focused on research aurounding the idea of body checking behavior. The mail ordering behavior for individuals with MD instruction body checking behavior. The mail ordering behavior for individuals with MD instruction behavior. The mail ordering behavior for individuals with MD practice mitter desired behavior. The production of the product checking continues because the underlying compulsion is too strong. Windheim, Veale, and Anson (2011) came to a similar conclusion in their investigation of mirror gazing in BDD. They found evidence to support the notion that gazing in a mirror triggers an

While preliminary research has been done on mirror checking and its relation to muscle dysmorphis, it has not been entersively studied. A limitation of previous research is that mirror checking behaviors have not been engenimentally studied and have been in the form of self-report questionnaires. These previous studies also focused on BDD and eating disorders, not on MR one superminared that shave explored studies have explored studies have explored studies of many and hard previous research by Obsertia (DDO) emission that BDD is strongly an ordinary of the studies of t

The purpose of the study is to continue investigation into mirror checking rates. We also aim to expand the literature on mirror checking by using real-time observations of mirror checks in the lab setting versus only self-reports.

METHOD

Participants

Demographics. Participants were asked to indicate their age, gender, ethnicity, education level, height, weight, and frequency of lifting weights and exercising.

Body Satisfaction. The 25-item Body Assessment Scale (BAS; Lorenzen, et al., 2004) was used to assess participants' level of satisfaction with different components of their body, measuring overall body satisfaction. The BAS indicates degree of satisfaction using a five-point Liter scale ranging from 1 [strongly repositive] to Sitrongly positive).

Muscle Dysmorphia. The 25-item Muscle Dysmorphia Questionnaire (MDQ: Grieve et al., 2014) was used to me phia. The MDQ allows the participants to rate each statement on a six-point Likert scale, from 1 (strong) disagree) to 6 (strongly agree).

Drive for Muscularity. The 15-item Drive for Muscularity (DMS: McCreary & Sasse, 2000) was used to access the drive for nuscularity in participants. The DMS allows participants to rate each statement on a six-point Likert scale, from 1 (never) to 6

Procedure

Participants were enculted from Western Kentucky University. All participants volunteered to complete the study via an online University Shady Board. Participants compiled a questionnaire packet in the meanth silozostory, After reviewing the complete the questionnaire packet. The order to the packet of the packet or the packe

RESULTS

Preliminary Analysis

Responses to the 25 question BAS were summed to obtain a total score for body statisfaction. For the current sample, the mean table score was 420 pc 114.11, with a regard from 50 to 10.5 firm emposures to 14 question MOQ were summed to obtain a total score for modiscarders for the DE 100 pc 114.11, with a regard from 50 to 10.5 firm emposures to 14 question MOQ were summed to obtain a total score for modiscarders for the CE 100 pc 114.11, which is sufficient to 114.11, which is sufficient to

Correlations Among the Variables

Variable	MDQ	BMI	BAS	DMS	#times	Second
MDQ		.87	.14	<.001	.25	.08
BMI	02		.07	.07	.04	.01
BAS	26	28		.92	.62	.77
DMS	.74	28	.02		.03	.002
itimes	.23	35	08	.38		<.001
Seconds	.35	42	05	.51	.91	

Note: Correlations are under the diagonal; p-values are above the diagonal; Statistically significant correlations are **bolded**. MDQ = Muscle Dysmorphia Questionnaire scores, BMN = Body Mass lodes scores, BMS = Body Assessment Scale scores, BMS = Drive for Muscularity Scale scores, attimes = number of time participants is looked into the mirror. Seconds = number of scores of secondigants spert looking into the mirror.

In addition, a logistic regression equation was performed with the number of seconds that participants looked in the mirror as the dependent variable. Scores from the MOD, ABS, and DMS, and BMI were entered as predictor variables. The overall R² for the model was .47, indicating that the was also as the control of the variance in the number of seconds participants looked at the mirror. As shown in Table 2, only MOS scores were significant predictors.

Model: (A. Model:**A. D. A. & Hiddestee, T. (2009), Body ricestagle below in mex. Body intops, Control of the variance in the number of seconds participants looked at the mirror. As shown in Table 2, only MOS scores were significant predictors.

Model: (A. Model:**A. No. A. D. (2011) Morre gains in body depanded in bade of the mirror and healthy was the second of the mirror and healthy was the second of the mirror and the

	regression Analysis outcomes						
Variable	Beta	t					
BMI	34	-1.74	.10				
BAS	32	-1.83	.08				
MDQ	23	81	.43				
DMS	.62	2.08	.05				

Note: Statistically significant correlations are **boided**. MDQ = Muscle Dysmorphia Questionnaire scores, BMI = Body Mass Index scores, BAS = Body Assessment Scale scores, DMS = Drive for Muscularity Scale scores.

Participants for this study included 43 male students enrolled in a psychology course from Western Kenticky University, who received credit in a course for participants; 7 and a students enrolled in a psychology course from Western Kenticky University, who received credit in a course for participants; 7 and a students enrolled in a psychology course from the study included 43 male students enrolled in a psychology course from the study included a high (M = 101.81; 50 = 14.96) and (on MD group (M = 74.88; 50 = 7.58); (\$111 = -26.93, p = .00.1. A sterile of independent sample test were ran to see if there was a difference between the high MD group and the low MD group, keep = 18 to 37). With respect to race, 29 participants reported being "White/Caucatian," 7 which respect to race, 29 participants reported being "White/Caucatian," 7 which respect to race, 29 participants reported being "White/Caucatian," 7 which respect to race, 29 participants reported being "White-Caucatian," 8 white respect to race, 29 participants reported being "White-Caucatian," 8 white respect to race, 20 participants reported an education level, 29 participants reported an education level, 29 participants reported an education level, 29 participants reported being "White-Caucatian," 7 students reported being "White-Caucatian," 7 students reported being "White-Caucatian," 8 participants reported being "White-Caucatian," 7 students reported being "White-Caucatian," 8 participants reported being "White-Caucatian," 8 participants reported being "White-Caucatian," 7 students reported being "White-Caucatian," 8 participants reported being "White-Caucatian," 7 students reported being "White-Caucatian," 7 students reported being "White-Caucatian," 8 participants reported being "White-Caucatian," 7 students reported being "White-Caucatian," 8 participants reported being "White-Caucatian," 8 participants reported being "White-Caucatian," 9 participants reported being "White-Caucatian," 9 participants reported being "White-Caucatian," 1 participant A median spit on MDI3 corns (motion = 84.00) yeeded a logs (M = 1013.1); 50 ± 14.80) and (on MD group) (M = 74.80; 50 ± 70.81); (11) = -28.92; (11) = -28.92; (12) = -28.92; (13) = -28.92; (13) = -28.92; (14) = -28.92; (14) = -28.92; (15) = -28.92

DISCUSSION

While the results of this study did not support our hypothesis, the findings were While the results of this study of not support our hypothesis, the findings were interesting nonetheless. Several of not support our hypothesised would be correlated together should be correlated together should be correlated together should be correlated together should be considerably high t values and lowy pulses for MD. Data collection is still organie, and we predict that with more data the study increase in strength and more statistically significant correlations will be produced.

The results of this study demonstrated a statistically significant difference when participant scores were split into a high-MD and low-MD group. Participant scores for the high-MD group were correlated with a higher score on the DMS. Participant scores for the low-MD group were correlated with a lower score on the DMS.

Results demonstrated a statistically significant correlation between participant scores on the DMS and both the number of times participants looked in the mirror and the duration of time spent looking at the mirror.

Another central finding of this study was the correlation between BMI score and the number of times participants looked in the mirror. A correlation was also found bet BMI score and the time spent looking at the mirror. Both correlations were negative correlated. Participants with a higher BMI score spent significantly less time looking in the mirror than the lower BMI scoring participants as shown in Table 1. Participants with a higher BMI score also looked less often in the mirror than the lower BMI scoring participants, also shown in Table 1.

These findings are novel and require more research. Applications for these findings can be applied to a clinical settling in the form of diagnostic criteria for muscle dysmorphia. The finding that high and low MD groups score differently on the DMS, furthers evidence that DMS is an efficient tool in evaluating levels of MD. Since MD is an underreported and infrequently diagnosed disorder (Olivardia, 2001) evidence that makes it easier to intergenently diagnosed disorder (Cilivardia, 2001) evidence final males it easier to recopier and that is circuial. Merror checking, neasoured in total times participated such as considered and considered and considered and considered and considered 2001). Persons research has shown that make weightfillers diagnosed with Mior report micro (Collivardia, 2001). Evidence research has shown that make weightfillers adjusted with Mior report micro (Collivardia, 2001). The size of the considered of the considered of the considered micro (Collivardia, 2001). The implication for the residence of this study are that the consistent between DMS scores and mirror checking behavior can be used to improve diagnostic criteria, through more well dieffered dostructed behaviors.

REFERENCES

American Psychological Association (JANA). IN CREATION CASES.

Clarification C. G., Green, F. G., Dompheum, W. E. & Plegg, P. C. (2009). As empetition of animal disturbers (Clarificated American). In Creation Cases (Conference of Conference of Conference

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CONTACT