Investigating Marital Relationship in Infertility: A Systematic Review of Quantitative Studies

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Abstract

Background: Infertility is a complex issue that affects individuals and groups, and also it has serious implications for the mental and social well-being of those involved. The aim of this review was to assess marital relationship in the context of infertility, using data from infertile individuals or both couples.

Methods: A literature search was undertaken using multiple databases (Medline, PsycInfo and Scopus) to identify and synthesize all relevant literature published from 1990 to 2011. All studies in the systematic review were confirmed using specific inclusion criteria; the methodological quality of these studies were examined according to a checklist.

Results: Of the potential 794 articles, 18 studies were included in the final analysis, of which 6 were graded as high quality and 12 as moderate. The results indicated male factor infertility did not have a negative marital impact. In addition, infertile male participants expressed higher marital satisfaction than their wives. Infertile females had significantly less stable marital relationship compared to fertile females, which was associated with their socio-demographics and treatment experience. For infertile couples, the infertile subjects or their partners’ marital relationship was affected by either member’s infertility, experience specifically coping strategies. Moreover other factors such as sexual satisfaction, age of the infertile couples, education level, and congruency of couples’ perceptions of infertility were associated with the quality of marital relationship.

Conclusion: Although the review can provide an outline of marital relationship in infertility, future studies should focus on the perspective from both infertile couple, across a range of different infertility types, including extended sample sizes and longitudinal study designs. In addition, more consideration should be given to qualitative study.

Keywords: Female, Infertile couples, Infertility, Male, Marital relationship.

being of those involved. This can be problematic as the marital relationship is seen as the most important source of support in the context of infertility treatment (1, 8). Furthermore, the WHO guidelines concerning the psycho-social aspects of infertility, clearly state that the task of medical staff goes beyond diagnosis and clinical interventions and should include attention to the psychological aspects of fertility disorders and that attention should be paid to enhance the quality of life of infertile couples (9). Therefore, it is necessary to have better understanding of marital relationship in infertility, and an examination of its associated factors. Referring to the quality of marital relationship, it has frequently been described by marital benefit, marital distress, marital satisfaction and marital adjustment (10–13). Though, there were some studies (14–16) assessing the quality of marital relationship in infertility, but they did not have valid outcome due to weak and simple items used as quantitative measures, making it difficult to make comparison and draw general conclusion. In addition, while there were some studies with standard measures about marital relationship in infertility, the reported results were unclear and conflicting. Some research suggested that infertile individuals (both infertile males and females) experienced greater dissatisfaction with themselves, their marriages, and infertility-related stress and its treatment had a negative effect on the relationship both directly or indirectly (17,18).

Other authors indicated infertility might be stressful, but their shared condition made closer mutual support in the couple’s thoughts and feelings, thus had positive effect on their relationship (19–21). Findings from earlier studies on marital relationship in infertile individuals, showed a significant correlation between stressful life events and marital quality (22). In addition, family studies indicated there was difference between the male’s and female’s perceptions of the aspects of marital relationship (23, 24). Moreover, the individual’s marital relation was related to other characteristics such as socio-economic status (25), personality (26), mental health (27), communication (28) and duration of marriage (29). For both the infertile males and females, their marital relationship could be influenced by the above factors directly or indirectly. The reason for the latter finding was due to infertility as a mutual condition, and both partners shared the experience of childlessness (30). However, considering the interactions between couples that may be more important for marital quality than social or personal traits (31), the change in marital relationship in infertile couples should be given more attention to the couple’s interaction patterns on relationship, not only analyze discrepant or congruent views in managing infertility stress. On the other hand, husbands’ and wives’ marital quality have been found to be significantly and positively correlated with (32), which suggested partner’s marital quality should be discussed to explore its considerable effect on the other side.

In order to have a clear understanding of marital relationship in infertility, it is necessary to examine the determinants that might be involved differently affect marital relationship. Currently, no systematic review of this kind is available. The aim of this systematic review is to summarise the published findings on marital relationship and infertile subjects, specifically the original data were based on standardized instruments in infertile males, infertile females or both infertile couples.

Methods

Inclusion criteria: To be included in the review, the selected articles had to meet the following criteria: (1) Peer-reviewed articles published in English between 1990 and 2011; (2) The primary or secondary objective was to assess marital relationship in the context of infertility; (3) The study participants comprised of infertile individuals, or infertile couples comprised infertile subjects and their partners. All participants were not in marital separation; (4) A relevant, validated instrument was used to assess marital relationship. Furthermore, studies needed to report original data. Thus, reviews, editorials, debates, letters, case reports, non-peer-reviewed articles, meeting abstracts and brief communications were excluded.

Search strategy: In this study, a systematic literature review was conducted using the following electronic databases as the most appropriate resources to identify published studies: MedLine (Ovid), PsyCInfo (Ovid) and Scopus. The search was compiled using keywords and phrases separated by the Boolean word “OR”: Marital Relationship “OR” Marital Quality “OR” Marital Satisfaction “OR” Marital Adjustment “OR” Marital Distress in combination with Infert* “OR” Childless* in the title, abstract, or keywords. Since some studies linked with marital relationship are explored in the context of clinical treatment, we in-
cluded the following terms too: In-vitro Fertilization (IVF) “OR” Intra-cytoplasmic Sperm Injection (ICSI) “OR” Assisted Reproduction (AR). In addition, citations from these articles which appeared particularly relevant were also sought. Many of the searches generated duplicate articles, or articles which were unrelated to the study, these were not considered in the review. In the process of extraction, one of the investigators reviewed both the title of the citation and the abstract to determine its suitability for inclusion.

**Extraction of data:** Firstly, the titles and abstracts following with the search strategy were evaluated for the selection of eligible studies. Some studies were excluded at this stage as they were scarce of evidence with regard to the inclusion criteria. Secondly, the full-text of selected studies were further evaluated to decide whether they fulfilled the inclusion criteria.

**Quality assessment:** The quality of the included studies was assessed using the criteria checklist (Table 1), which was derived from some systematic review studies (33–38), and adjusted to fit the research questions. The criteria for evaluating the quality of studies included in our study were: the quality of the measure instrument, the profile of study participants, study design and main results. The criteria checklist comprised 16 items; each item was scored with one point if the study met a criterion, and a score of zero if the study had an insufficient or no description of the item. The total maximum score was sixteen. Studies scoring 75% or more of the maximum attainable score (≥12 points) were considered to be of “high quality”. Studies scoring between 50 and 75% (between 8 and 12 points) were rated as “moderate quality”, and scores lower than 50% (≤7 points) were considered as “low-quality” studies.

**Results**

**Studies extracted:** As can be seen in figure 1, the initial search in the online databases identified 910 citations, comprising 65 articles from MedLine (Ovid), 329 from PsycInfo (Ovid) and 516 from Scopus. 116 articles were excluded due to the extraction of duplicates. After applying the

<table>
<thead>
<tr>
<th>Table 1. List of criteria for assessing the quality of studies on marital relationship in the infertile and/or their spouse/partners</th>
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</thead>
<tbody>
<tr>
<td><strong>Positive if</strong></td>
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<tr>
<td>Marital relationship assessment</td>
</tr>
<tr>
<td>A. a psychometrical questionnaire is used</td>
</tr>
<tr>
<td>B. a primary objective of the study is to examine the marital relationship</td>
</tr>
<tr>
<td>C. standardized or valid self-report measurements are used to assess the marital relationship in the infertile and/or their spouse/partners</td>
</tr>
<tr>
<td>Study participants</td>
</tr>
<tr>
<td>D. a description is included of at least two socio-demographic variables (e.g., age, sex, economical status, educational status, etc.)</td>
</tr>
<tr>
<td>E. a description is present of at least two clinical variables (e.g., type of infertility, duration of infertility, treatment method(s), etc.)</td>
</tr>
<tr>
<td>F. inclusion and/or exclusion criteria are provided</td>
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<tr>
<td>G. the study describes predictors or influencing factors by using correlation analysis, multivariate analyses or structural equation models</td>
</tr>
<tr>
<td>H. participation rates for the infertile groups and/or their spouses/partners are described (defined as the percentage of eligible patients who gave their informed consent) and these rates exceed 70%</td>
</tr>
<tr>
<td>I. information is given about the ratio between non-responders versus responders</td>
</tr>
<tr>
<td>Study design</td>
</tr>
<tr>
<td>J. the study size is consisting of at least 50 patients</td>
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<tr>
<td>K. the collection of data is prospectively gathered</td>
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<tr>
<td>L. the design is longitudinal (more than 1 year)</td>
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<tr>
<td>M. the process of data collection is described (e.g., interview or self-report, etc.)</td>
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<tr>
<td>N. the follow-up period is at least 6 months</td>
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<tr>
<td>O. the loss to follow-up is described and is less than &lt; 20%</td>
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<tr>
<td>Results</td>
</tr>
<tr>
<td>P. the results are compared between two groups or more (e.g., healthy population, groups with different treatment stages, different types of infertility, or treatment types) and/or results are compared with at least two points in time (e.g., pre- versus post-treatment)</td>
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*The criteria checklist was based on an established criteria for systematic review reported in the literature (15-20)
study inclusion criteria, the final number of articles eligible for inclusion was 18. The flowchart of study selection is shown in figure 1.

**Characteristics of selected studies:** Table 2 provided a summary of the 18 published studies that met the inclusion criteria. They included studies that investigated the status of marital relationship and its influence across different infertility types. The main results related to marital relationship were indicated. All studies had been conducted in a clinical setting, of which, thirteen studies (39–51) were cross-sectional, and five (52–56) were longitudinal. The sample sizes differed due to variations in research protocols. In the studies on infertile couples, the sample sizes ranged from 20 (43) to 525 (46); and in studies on infertile individuals, the sample sizes ranged from 18 (47) to 520 (48). Participants included those who sought medical attention and/or treatment for assisted reproduction. The instruments were reliable and valid for the assessment of marital relationship in all of the reviewed studies.

In total, all studies described at least two demographic variables and most described at least two clinical variables of interest. The most reported demographic variables were age, ethnicity, economical status, education and duration of the marital relationship. Frequently represented clinical variables were type of infertility, type of treatment, time interval since diagnosis and time of medical attention.

**Quality assessment of selected studies:** Quality scores ranged from 8 (low quality) (47) to 15 (high quality) (56). Six studies (33%) were graded as high and twelve (67%) as moderate. Among these 18 studies, over half had some limitations in methodological quality, 12 (66%) studies could not meet the criteria H “Participation rates for the infertile groups and/or their spouses were described (defined as the percentage of eligible patients who gave informed consent) and they exceeded 70%”, 13 (72%) studies could not meet the criteria I “Information was given about the ratio of non-responders versus responders”, 13 (72%) studies could not meet the criteria K “The collection of data was prospectively gathered”, 13 (72%) studies could not meet the criteria L “The design was longitudinal (more than 1 year)”, 13 (72%) studies could not meet the criteria N “The follow-up period was at least 6 months”, 17 (94%)
Table 2. Studies examining marital relationship in infertility

<table>
<thead>
<tr>
<th>Studies</th>
<th>Design</th>
<th>Sample characteristics/Country</th>
<th>Assessment</th>
<th>Key findings related to marital relationship</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ulbrich et al.</td>
<td>Cross-sectional study</td>
<td>Convenient sampling: 103 married couples from Resolve and physicians, USA</td>
<td>Dyadic Adjustment Scale</td>
<td>Infertile couples are generally similar in the way of perceiving their marital adjustment, but they arrive at that view by different routes</td>
</tr>
<tr>
<td>Berg et al.</td>
<td>Cross-sectional study</td>
<td>Convenient sampling: 104 married couples from Resolve and clininc, with primary infertility currently involved in treatment, USA</td>
<td>Locke-Wallace Marital Adjustment Test</td>
<td>1. Couples experienced normal levels of marital adjustment, and with no significant gender differences</td>
</tr>
<tr>
<td>Peere et al.</td>
<td>Cross-sectional study</td>
<td>Convenient sampling: 40 female patients had been diagnosed with primary or secondary infertility, USA</td>
<td>Index of Marital Satisfaction</td>
<td>Infertility treatment was related to decreased marital satisfaction, but after the termination of treatment, the relationship returned to a level not significantly different from its pretreatment level</td>
</tr>
<tr>
<td>Benason et al.</td>
<td>A longitudinal study</td>
<td>Convenient sampling: During the 12 months of the study, all participants were categorized into two groups: 48 couples with pregnancy, 117 couples with nonpregnancy, Canada</td>
<td>Dyadic Adjustment Scale</td>
<td>1. Significant decreases in marital functioning were experienced by subjects as the treatment intervention progressed</td>
</tr>
<tr>
<td>Slade et al.</td>
<td>A longitudinal study</td>
<td>Convenient sampling: 28 couples with primary infertility, England</td>
<td>Dyadic Adjustment Scale</td>
<td>2. Greater levels of marital distress were observed in couples that did not conceive. Significant gender differences were observed</td>
</tr>
<tr>
<td>Levin et al.</td>
<td>Cross-sectional study</td>
<td>Convenient sampling: 46 couples undergoing different stages of infertility treatment, USA</td>
<td>Dyadic Adjustment Scale</td>
<td>1. For the infertile groups, marital adjustment tended to deteriorate over time, however, this was paralleled in the fertile groups</td>
</tr>
<tr>
<td>Leiblum et al.</td>
<td>A longitudinal study</td>
<td>Convenient sampling: 75 infertile women were followed after the completion of infertility treatment, Group 1 (n = 41), successful IVF women; Group 2 (n = 16), unsuccessful IVF women who adopted; Group 3 (n = 18), unsuccessful IVF women who remained childless, USA</td>
<td>Locke-Wallace Marital Adjustment Test</td>
<td>2. Self-blame was correlated with marital difficulties in the females; self-blame and detachment were particularly linked with marital difficulties in the males</td>
</tr>
<tr>
<td>Markestad et al.</td>
<td>Cross-sectional study</td>
<td>Convenient sampling: 20 infertile couples. USA</td>
<td>Dyadic Adjustment Scale</td>
<td>Marital distress in the infertility population is impacted by the intra-couple coping methods</td>
</tr>
<tr>
<td>Lee et al.</td>
<td>Cross-sectional study</td>
<td>Convenient sampling: 59 infertile couples. Tai wan</td>
<td>Marital Satisfaction Questionnaire</td>
<td>The husbands’ marital satisfaction was higher than that of the wives</td>
</tr>
<tr>
<td>Lee et al.</td>
<td>Cross-sectional study</td>
<td>Convenient sampling: 138 infertile couples. Tai wan</td>
<td>Marital Satisfaction Questionnaire</td>
<td>Infertility diagnosis is an important factor in assessing the marital satisfaction between husbands and wives</td>
</tr>
<tr>
<td>Verhaak et al.</td>
<td>A longitudinal study</td>
<td>Convenient sampling: 207 infertile women. Netherlands</td>
<td>Maudsley Marital Questionnaire</td>
<td>1. There were no significant differences between the three groups on the standardized measures of marital satisfaction</td>
</tr>
<tr>
<td>Peterson et al.</td>
<td>Cross-sectional study</td>
<td>Convenient sampling: 525 infertile couples. USA</td>
<td>Dyadic Adjustment Scale</td>
<td>2. Childless women reported that infertility had exerted a significantly greater negative impact on their marriages than that reported by the other two groups</td>
</tr>
<tr>
<td>Monga et al.</td>
<td>Cross-sectional study</td>
<td>Not mentioned, Study group: 18 women being on infertility treatment; Control group: 12 women seeking elective sterilization, USA</td>
<td>Locke-Wallace Marital Adjustment Test</td>
<td>The Marital Adjustment Test scores for the women of the infertile couples were significantly lower than the scores of the controls</td>
</tr>
<tr>
<td>Peterson et al.</td>
<td>Cross-sectional study</td>
<td>Convenient sampling: 506 infertile men, 520 infertile women. USA</td>
<td>Dyadic Adjustment Scale</td>
<td>No significant differences were reported between men and women for marital adjustment, but coping is related to marital adjustment</td>
</tr>
<tr>
<td>Reporaki et al.</td>
<td>A longitudinal study</td>
<td>Convenient sampling. Study group: 367 couples with singleton IVF/ICSI pregnancies; Control group: 379 couples with spontaneous singleton pregnancies. Finland</td>
<td>Dyadic Adjustment Scale</td>
<td>Successful ART does not constitute a risk for marital adjustment. The shared stress of infertility may even stabilize marital relationships</td>
</tr>
<tr>
<td>Wang et al.</td>
<td>cross-sectional study</td>
<td>Convenient sampling. Two groups of infertile women, 100 registered for IVF, and 100 registered for ICSI; A control group of 100 women attending a gynecology clinic, who had no known history of infertility, China</td>
<td>ENRICH (Evaluating &amp; Nurturing Relationship Issues, Communication &amp; Happiness) Marital Inventory</td>
<td>The stresses associated with infertility and IVF treatment had a negative impact on Chinese women’s marital quality</td>
</tr>
<tr>
<td>Drosdzel et al.</td>
<td>Cross-sectional study</td>
<td>Convenient sampling. Study group: 206 infertile couples; Control group: 190 fertile couples, Poland</td>
<td>Index of Marital Satisfaction</td>
<td>The risk factors of marital dissatisfaction in infertility include: female sex, age over 30, lower education level, diagnosis of male infertility, and infertility duration of 3-6 years</td>
</tr>
<tr>
<td>Smith et al.</td>
<td>Cross-sectional study</td>
<td>Convenient sampling: 357 men in infertile couples. USA</td>
<td>Marital Impact Scale</td>
<td>No significant differences were seen between infertility groups in terms of Marital Impact scores</td>
</tr>
</tbody>
</table>

months of the study, all participants were categorized into two groups: 48 couples with pregnancy, 117 couples with nonpregnancy, Canada.  

Infertility treatment was related to decreased marital satisfaction, but after the termination of treatment, the relationship returned to a level not significantly different from its pretreatment level. These studies could not meet the criteria O “The loss to follow-up was described and was less than <20%”. Marital relationship of male participants with infertility.
ility: Three studies were on infertile males’ marital relationship among the 18 studies, using a cross-sectional design.

One study demonstrated that male factor infertility did not have a negative marital impact after controlling for male age, partner’s age, race, religion, educational level, employment status, prior pregnancy, duration of infertility, and prior paternity (51). Another study presented the incidence of partnership disorders within marriage was not different between infertile and fertile males, but the marital dysfunction of infertile males should be given more attention in males over 30, lower education and infertility lasting 3-6 years (50). However, those women who became biological mothers through IVF were significantly more satisfied with their marital lives than women who were unsuccessful in IVF and remained childless (53), even though marital satisfaction changed in both pregnant and non-pregnant women after the first treatment cycle due to an increase in sexual dissatisfaction (55). As for the infertile female’s marital satisfaction in different treatment periods, one study demonstrated that marital satisfaction during treatment was significantly lower compared with the periods before and after the treatment. In addition, the study found female initiation of treatment, partner’s embarrassment for treatment termination, female’s age and length of treatment period were negatively correlated with marital satisfaction in infertile females for all the three aforesaid periods, but no significant relationship was found between type of infertility (primary vs. secondary) and marital satisfaction (41).

Apart from the above studies, which directly selected infertile females as research subjects, another study selected infertile females from infertile couples as research subjects to explore marital relationship. The findings indicated that...
infertile females experienced significantly more distress than their husbands, and were less satisfied with their marriage than their husbands (45).

Marital relationship in infertile couples: Amongst the studies on marital relationship in infertile couples, one study (45) examined marital relationship affected by a gender-specific infertility diagnosis in Chinese society, and made comparison between husbands and wives. The findings indicated when both partners were infertile women expressed less marital satisfaction than their husbands. No differences in marital satisfaction between wives and husbands with unexplained infertility were seen, and only wives with a diagnosed female infertility expressed higher distress than their husbands.

In other studies, the data on marital relationship were mixed without differentiating gender-specific infertility diagnosis. One study suggested marital adjustment of the wives of infertile couples were significantly lower than the scores of controls, but no differences were noted in husbands of infertile couples (47). However, some studies further demonstrated various factors contributing to marital dissatisfaction in infertile couples, e.g., age of partners above 30 years, individuals with greater stress, higher emotional distress, lower education, lower income, lengthier treatment, and unsuccessful treatment (39, 43, 44, 56). In addition, the level of sexual satisfaction in female partners was positively correlated to their marital satisfaction, but the level of infertility-related stress did not contribute significantly to fluctuations in their marital satisfaction. By contrast, marital satisfaction of male partners was influenced by the level of infertility stress, and not by their own degree of sexual satisfaction, nor by their wives becoming pregnant (52). Furthermore, coping strategies were emphasized to be correlated with marital relationship and coping strategies such as self-blame, were emphasized to be correlated with marital difficulties in both male and female partners (54). Both escape/avoidance and accepting responsibility coping strategies could diminish marital adjustment in both males and females, but seeking social support and planful problem-solving coping strategies could enhance or did not diminish their marital satisfaction (48).

Considering that infertility is a condition shared by both couples, other studies have suggested the intra-couple coping concordance might have different effects on marital relationship. One study demonstrated couples with high levels of congruence concerning infertility stress reported significantly higher levels of marital adjustment when compared to couples with different infertility-related stress (46). Another study showed that marital satisfaction was highest in couples where the males were using low levels of emotion-oriented coping, specifically the least satisfaction for women was evident when the woman was using less emotion-oriented coping than her partner or than when both partners were using more emotion-oriented coping strategies (42).

Discussion

In studies on infertility, marital issues are increasingly reported to be in part due to the impact of infertility per se, and also due to the importance of mutual support provided during the process of infertility treatment (8).

The purpose of this systematic review was to provide an overview of studies that addressed the impact infertility diagnosis and subsequent treatment on marital relationship.

In all of the selected studies, we found very few studies on infertile males’ marital relationship. The findings indicated infertile males’ marital relationship were not seriously impaired by infertility diagnosis. The reasons might be related to the sampling methods in infertile males with newly diagnosed infertility or the short duration of marriage which might not develop infertility stress or marital strain. On the other hand, the infertile males’ perception of infertility could be another mediator and infertile men undergoing treatment held the optimism for conceiving a child (57). From theoretical perspective, infertility may place significant stress on a man’s social and marital relationships (58), however, the insufficient response of infertile males in the selected studies was not helpful for correlation analysis on infertility and marital relationship. Therefore study on infertile males’ marital relationship should be given more attention via increasing participants’ response and implementing longitudinal studies to explore the marital relationship and factors influencing it.

Regarding marital relations in infertile females, most studies mainly focused on the effect of treatment, which indicated lower marital satisfaction to be very common in infertile females in comparison with their partners or with fertile females. However, only two longitudinal studies made comparison between successful and unsuccessful
treatment in infertile female participants. Since unsuccessful treatment is frequently seen in infertility, longitudinal studies would be necessary to examine marital relationship and its determinants, specifically, among infertile females with treatment failure.

Correlation analysis was also used to explore certain factors related to marital relationship affected by infertility diagnosis or treatment but studies with multivariate analyses controlling for interaction among various variables were very few. Therefore, though coping strategies were proved to be crucial in marital adjustment for infertile females with different treatment results, this conclusion might be weak if the studies neglect the effect from infertile females’ sexuality, infertility experience, social-demographics and psychological well-being, etc. of infertile females.

As for the related studies on infertile couples, some findings showed treatment (process and outcome) to be related to the couples’ level of marital satisfaction, but some were not; some findings reflected infertility-related stress could influence the males’ level of marital satisfaction, but some suggested no relationship between females’ marital satisfaction and infertility-related stress. The above conflicts or ambiguities could be explained by adoption of coping strategies, level of education, economical status, or the age of infertile couples.

Regarding the couple as the research unit, there is merit in analysing how each partner is both influenced by and influences the response by their partners. We recommend future studies further explore marital relationships of infertile couple with male factor, female factor, a combination of male and female factors and unexplained factors through using marital pairs as the unit, especially exploring the congruency of couples’ perceptions of infertility, intra-couple coping, and dyadic relationships.

In retrieving the literature, we found most studies had a predominately medical focus, and few studies explored the impact of infertility diagnosis on marital relationship from psychosocial, emotional and sexual perspectives. Obviously, further research on intimacy, sexuality, marriage and social functions is necessary to understand and provide improved services to infertile couples.

Moreover, there were other limitations in this systematic review, firstly the reviewed papers were confined to the English language literature, thus, some relevant non-English language studies were missed. Secondly, the papers were reviewed by title, abstract, or keywords; therefore studies containing relevant marital relationship and infertility-related information as a minor part of the results could have been neglected. Thirdly, while all studies were selected strictly according to the inclusion criteria, there may still have been some bias due to the lack of a second, independent reviewer. Fourthly, most data were obtained from clinical settings and the study results might not be representative of the general infertile population. Given these methodological limitations, it is important to consider all aspects of a systematic review when evaluating their applicability.

**Conclusion**

The current review found most studies of high quality, but few studies were scarce of rigor in sample size and study design. However, these selected studies provide an outline for understanding the marital relationship in the context of infertility. We expect the future studies on marital relationship in infertility can be broadly implemented from both the perspective of infertile couples, across a range of different infertility types, extended sample sizes and longitudinal research, specifically using qualitative methodologies to contribute information to this work.

**Acknowledgement**

The authors report no potential conflicts of interest. The authors are solely responsible for the content and writing of the paper.

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