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Review Article

Literature Review on Women's Knowledge and Attitudes Toward Oocyte Cryopreservation

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1. Abstract

Background: Non-medical oocyte cryopreservation (NMOC), also known as elective egg freezing, has become an established reproductive option that enables women to preserve fertility for social or personal reasons. Assessing women's knowledge and attitudes toward NMOC is critical for enhancing awareness, supporting informed decision-making, and refining counseling practices. Objective: This literature review synthesizes current evidence regarding women's knowledge, attitudes, and influencing factors related to NMOC, with particular emphasis on gaps identified among Saudi women. Methods: A systematic search was performed in PubMed, Medline Plus, Web of Science, and Google Scholar for studies published from 2020 to 2024. Of the 260 articles initially identified, 23 met the inclusion criteria. Each study was analysed based on its aim, setting, sample size, and key findings. Thematic synthesis was used to organize results into four main areas: knowledge and attitudes toward NMOC, factors influencing women's decision-making, factors affecting attitudes, and sources of information. Results: The findings indicate that most women possess limited knowledge of NMOC, particularly concerning optimal age, success rates, and medical procedures. However, attitudes toward NMOC are generally positive, especially among highly educated, employed, and medically trained women. Variables such as age, marital status, education, income, fertility awareness, and cultural or religious beliefs significantly influence both knowledge and attitudes. Online resources and healthcare professionals are the primary sources of information shaping women's understanding. Conclusion: Although global awareness of NMOC is increasing, significant gaps remain, particularly among Saudi women. Future research and culturally tailored educational initiatives are necessary to improve women's reproductive literacy, facilitate informed choices, and support equitable access to fertility preservation

Keywords: Non-medical oocyte cryopreservation, elective egg freezing, fertility preservation, knowledge, attitudes, Saudi women, reproductive decision-making.

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2.1 INTRODUCTION

In this chapter, the researcher conducts a complete literature review encompassing all relevant current studies on this topic. The initial subject highlights the technique for the review, involving the search strategy and engine, search keywords, inclusion and exclusion criteria, as well as the processes for data extraction and management relevant to the review's results. The final section provides an outline for major results, the literature gap and limitations.

2.2 METHODS OF THE REVIEW

In order to investigate the knowledge and attitude of Saudi Females towards elective non-medical Oocyte Cryopreservation (NMOC), a thorough and comprehensive literature review was undertaken. This

review aimed to identify the most suitable and reliable peer-reviewed sources that effectively address the research objective.

The following section will provide further explanation of the process of generating a body of knowledge through defining inclusion and exclusion criteria, search strategies, search keywords, and evidence selection methods.

2.2.1 Search Strategy

A two-step search method was implemented to identify relevant articles relating to the research topic. The initial phase entailed a comprehensive examination of full-text articles on search engines. The process consisted identifying potential sources, assessing their

relevance, and evaluating the reliability of the information inside the references.

Upon identifying a viable source, the title was evaluated for eligibility. further, the abstract's content was reviewed to ensure its relevance and suitability for the research, further refining it to the most pertinent elements for evaluating females' knowledge and attitude towards elective NMOC. The subsequent phase entailed a manual examination of the reference lists and bibliographies of the initially acquired research to uncover additional papers that may have been neglected in the databases.

2.2.2 Search Engines

Related articles were retrieved by conducting searches across the Saudi Digital Library (SDL) for the specified electronic databases: Medline Plus, Web of science and PubMed. These databases have been determined for their capacity to offer high-quality content appropriate for evaluation of literature, namely within the field of healthcare(Oermann et al., 2021). Furthermore, Google Scholar was considered as a secondary source.

2.2.3 Search key terms

A variety of research terms, including medical subject headings (MeSH) and associated terminology, were utilized in multiple combinations. The terms utilized in the review were knowledge, education, understanding, awareness, attitudes, Female, non-medical, elective, oocyte cryopreservation and freezing egg with the application of Boolean operators "and," "or," and "not" to structure and integrate sentences.

2.2.4. Inclusion and Exclusion Criteria Inclusion Criteria

The criteria for inclusion in this review are as follows.

- To narrow down on the latest literature, the review assessed articles published between 2020 to 2024.
- Peer-reviewed article addressing the knowledge and attitudes of females on NMOC
- Published in English language.
- This review will examine qualitative, quantitative, mixed-methods, and systematic review studies.

Exclusion Criteria

The subsequent criteria for exclusion were as follows:

- Articles that examine NMOC in the context of male knowledge and attitudes.
- Editorials, conference abstracts, notes, letters, comments, and descriptive reports, along with grey literature sources, are deemed unreliable due to their dependence on perspectives from individuals who have not undergone rigorous evaluation to substantiate judgments and conclusions.

2.3 Study Selection Process

The initial phase involved searching using keywords and narrowing the electronic database using inclusion criteria, resulting in a total of 260 probable outcomes. 21 articles were obtained from MEDLINE Plus, 23 Web of science, 44 from PubMed, and 172 from Google Scholar. After the removal of duplicate article, the total was 239. The articles were subsequently evaluated for eligibility based on their title, abstract, and full text content. A total of 69 articles were selected. The researcher subsequently examined each study to determine its main findings. Ultimately, researcher chose 23 articles for inclusion in this review. The PRISMA flow diagram (Figure 2.1) illustrates the search methodology and article selection criteria.

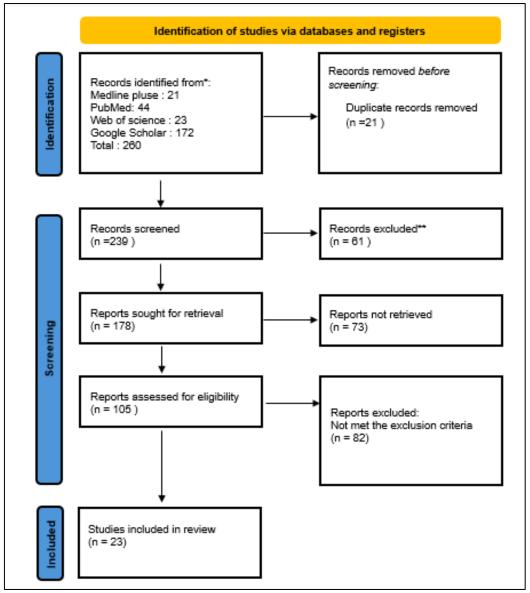


Figure 2.1: PRISMA 2020 Flow Diagram (Page et al., 2021)

2.4 Data Extraction and Management

Data extraction for reviews requires gathering all relevant information from included studies to address the study question and acquire relevant data(Schmidt et al., 2023). The data obtained from each article included the author(s), publication year, study objective, design, setting, sample size, participant type, and main conclusions of the study. A literature review matrix template was used to obtain the necessary data (Appendix 1). The utilization of a matrix facilitated the finding of relevant themes and the subsequent evaluation of the selected article. The extracted data contained 17 article quantitative, 3 systematic review, one literature review, one qualitative and one mixed-method.

2.5 MAIN FINDINGS / RESULTS

Twenty-three articles have been selected, analysed, and categorized based on their conceptual or descriptive similarities. Data were collected, compared,

summarized, and subsequently evaluated across and within research studies to uncover themes from the existing literature concerning the knowledge and attitudes of females regarding oocyte cryopreservation. As a result, four major themes emerged: "knowledge and attitude of women regarding NMOC.", "Factors impacting women's decision-making regarding NMOC.", "Factor affecting women's Attitude regarding NMOC." and "source of information regarding NMOC."

2.5.1 knowledge and attitude of women regarding NMOC

Extensive research has explored women's awareness and perspectives on non-medical oocyte cryopreservation (NMOC), revealing a spectrum of views influenced by educational background, cultural norms, and access to fertility-related information. For example, a cross-sectional study conducted at the Royan Institute in Tehran, Iran by Hafezi *et al.*,(2022) assessed

the knowledge and attitudes of 216 female applicants regarding social egg freezing. This study highlighted significant gaps in understanding the implications of agerelated fertility decline and the technical processes involved in egg freezing. Despite these knowledge gaps, participants generally exhibited positive attitudes, primarily driven by a strong preference for biological motherhood over alternatives such as adoption or donor conception. These findings underscore the complex interplay between knowledge deficits and attitude formation in this context.

Similarly, Saadia *et al.*, (2024) examined 437 women of reproductive age in Al-Qassim, Saudi Arabia, to assess their awareness and perception of NMOC. Their findings showed that although many women recognized social egg freezing, a substantial proportion felt insufficiently informed. Notably, higher educational attainment was strongly associated with more positive views and greater understanding of the procedure, echoing trends observed in other regions.

Further supporting this, a systematic review by Platts et al., (2021) in the United Kingdom analyzed data from 35 studies evaluating public and user perceptions of elective oocyte cryopreservation (EOC). The review concluded that women who had undergone or considered EOC were generally well-informed about procedural aspects, whereas public awareness remained limited especially regarding age-related fertility decline and success rates. This persistent information gap between users and the broader public is a recurring theme. Similarly, Armstrong et al., (2023) surveyed 520 female medical students in the United States, finding that while participants had a general awareness of oocyte cryopreservation, they often lacked accurate knowledge of success rates, costs, and medical risks. Nevertheless, most expressed positive attitudes and intentions to consider the procedure for future fertility preservation, signaling growing openness among younger, educated women. In Ghana, Osaah et al., (2024) assessed 402 female college students and found low knowledge levels but generally positive perceptions of egg freezing, attributing these attitudes to sociocultural and religious influences that may limit open discussion about fertility preservation and shape acceptance of reproductive technologies.

Studies from Asia and Europe further illustrate these patterns. In China, Zhou et al., (2022) surveyed 1,236 female university students, both medical and nonmedical. Nearly half lacked adequate understanding of advantages and disadvantages of oocyte cryopreservation; however, 36.9% still indicated approval. and medical students in particular demonstrated notably more favorable attitudes. Likewise, Kasaven et al., (2023) conducted a comprehensive study in the United Kingdom involving 1,000 women, which showed increased knowledge of oocyte cryopreservation for cancer patients, though

considerable deficiencies persisted—especially regarding success rates and procedural details.

Sayegh *et al.*, (2023) investigated the knowledge and attitudes of 278 women who received fertility consultations in the United Arab Emirates and found insufficient understanding of planned oocyte cryopreservation (POC), particularly around hormonal protocols and oocyte viability. Women with higher education in health-related fields displayed greater knowledge and more positive attitudes. In Portugal, Nunes *et al.*, (2024) evaluated 350 women and observed limited knowledge about fertility preservation options, yet many participants expressed an eagerness for further information, highlighting potential receptiveness to NMOC initiatives.

Sandhu *et al.*, (2023) examined the attitudes of 120 Australian women seeking information about elective egg freezing, finding limited awareness of success rates and potential health hazards. Nonetheless, the participants' proactive approach to seeking information reflected generally positive attitudes. In Lebanon, Ghazeeri *et al.*, (2023) studied 318 women visiting reproductive health clinics and found inadequate procedural knowledge but unexpectedly high acceptability of NMOC, suggesting a gradual shift in cultural perspectives.

Akhondi *et al.*, (2023) investigated the knowledge and attitudes of 470 Iranian university students from diverse academic fields. The study indicated limited knowledge of the costs, duration, and consequences of oocyte cryopreservation, especially among individuals not majoring in health-related fields, regardless of mostly positive attitudes.

Some studies in North Africa offer additional insights. Sewidan & Abd Elhamid (2023) surveyed 389 female students at Suez University in Egypt, noting high levels of awareness and positive attitudes, especially among those in medical faculties. Fahmy & Mohamed (2021) also found that, although 60% of 310 unmarried nursing students in Egypt had insufficient knowledge, many showed a strong interest in further education, pointing to a cautiously positive outlook.

Overall, these studies suggest that while knowledge gaps about NMOC remain widespread across different populations, women tend to display favorable or cautiously supportive attitudes—especially those with medical backgrounds or higher educational attainment. This consistent pattern highlights the importance of targeted educational efforts to bridge knowledge gaps and further empower informed decision-making.

2.5.2 Factors impacting women's decision-making regarding NMOC

The literature thoroughly investigates multiple factors that affect women's decision-making regarding

egg freezing methods. For example, in a cross-sectional study, the main factors affecting decisions to freeze oocytes included offspring health, absence of an appropriate spouse, socioeconomic circumstances, employment, educational conditions, and concern regarding being alone in advanced age (Hafezi *et al.*, 2022).

In addition, Platts *et al.*, (2021) systematic review states that the biggest drive for women to engage in OFNMR was the absence of an appropriate spouse for procreation. The high cost was recognized as a major obstacle to the utilization of OFNMR. The systematic review emphasized that societal perceptions, media representations, and misconceptions regarding fertility and age-related decline substantially impact women's choices regarding OFNMR. Furthermore, Saadia *et al.*, (2024) revealed that women with advanced education degrees demonstrate more comprehension and more positive attitudes towards the process.

In the United States, a cross-sectional study highlighted that the factors impacting decision-making identified by all participants were the health of the children, possibility of success, desire for a child, and preservation of fertility (Armstrong *et al.*, 2023).

accordance with earlier studies, In Kynigopoulou et al., (2024) conducted a Literature Review of 73 articles. The review aimed to provide an overview of the societal factors that prompt women to consider egg cryopreservation, along with their attitudes toward and understanding of this procedure. According findings, the phenomenon Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability.

In 2020, Johnston *et al.*, (2020) conducted a cross-sectional study on 656 female participants in Australia with the primary goal of investigating public perceptions of both medical and non-medical egg freezing, evaluating the determinants shaping these perceptions, and comprehending the ramifications of egg freezing on family planning and reproductive decisions. The study's findings revealed that participants' desires for parenthood influenced their perspectives on oocyte cryopreservation. The research also revealed that cost constitutes an important obstacle to accessing egg freezing services, with participants indicating a preference for these services to be offered at reasonable costs.

Also, Osaah *et al.*, (2024) indicated that participants would consider preserving fertility owing to the potential of having a biological child in the future. Furthermore, Zhou *et al.*, (2022) indicated that the extended academic timeline in medical education often

leads to the postponement of important life events, such as marriage and childbirth, prompting medical students to consider oocyte cryopreservation as a viable option.

Moreover, five more studies proved that financial burden is seen as a significant barrier to pursuing oocyte cryopreservation. (Kasaven *et al.*, 2023; Sayegh *et al.*, 2023; Arendt & Oxlad, 2023; Akhondi *et al.*, 2023; Sewidan & Abd Elhamid, 2023)

A quantitative study in Portugal by Nunes *et al.*, (2024) examined women's motivations, barriers, and attitudes regarding elective oocyte cryopreservation. The study found that 56.3% of participants would consider egg freezing to prevent age-related fertility decline, and 26.3% would do so due to the absence of a partner. Financial concerns were the primary barrier for 32.5% of respondents. Additionally, 68.9% expressed disinterest in oocyte cryopreservation, citing limited awareness, reluctance, and anxiety about aging.

Tandoğan et al., (2023) conducted a qualitative study in Istanbul, Turkey, involving 12 unmarried academic women to examine factors influencing their decisions regarding oocyte cryopreservation. The participants generally viewed the procedure as a valuable means of preserving fertility. However, their decisionmaking was influenced by several concerns, such as uncertainty about the likelihood of successful pregnancies using frozen oocytes and moral discomfort associated with assisted reproductive technologies. In addition, sociocultural expectations related to marriage and motherhood played a significant role in shaping their willingness to consider egg freezing. Similarly, Sandhu et al., (2023) carried out a cross-sectional survey in Australia with 332 women to assess decision-support needs for elective oocyte cryopreservation. The findings indicated that many women were hesitant to pursue the procedure due to limited knowledge of its success rates and potential health risks. Participants expressed a preference for receiving accurate, evidence-based information from healthcare providers and reliable online sources, particularly before the age of 30. Taken together, these studies suggest that women's decisions about non-medical oocyte cryopreservation influenced by a combination of individual motivations, informational limitations, emotional uncertainty, and sociocultural factors.

In 2023, Ghazeeri *et al.*, conducted a cross-sectional study in Lebanon, revealing significant concerns among women regarding the safety of the procedure for potential children and its implications for future fertility. Women aged 18-30 were shown to be 2.09 times more predisposed to consider egg freezing than those aged 31-39. Moreover, unmarried women were 4.31 times more inclined to consider sterilization than their partnered counterparts, while childless women were 5.00 times more predisposed in comparison to those with children.

In alignment with previous studies, a cross-sectional study was conducted by Güngör Satilmiş *et al.*, (2022) involving 342 Turkish midwifery and nursing students to assess their knowledge and attitudes towards oocyte cryopreservation. Researchers have identified several factors influencing the decision to consider social egg freezing, including career prioritization, the desire to delay childbirth due to a lack of acceptable partners, and personal preparedness.

Kostzer et al., (2021) employed methodology in the Netherlands to explore the perspectives of 34 women of reproductive age on oocyte cryopreservation. Participants ranked according to their level of agreement, which helped identify prevalent viewpoints. The study revealed that women's choices were shaped by multiple factors. Some expressed caution and ethical concerns regarding the procedure and traditional notions of motherhood. Others prioritized autonomy, seeing egg freezing as an option to exercise reproductive control. Overall, the findings indicate that decisions about non-medical oocyte cryopreservation are influenced by considerations, knowledge, ethical values, personal beliefs, and social attitudes.

In his systematic review, Hathaway (2021) examined and analyzed 20 studies on women's motivations and experiences concerning assisted reproductive technologies, specifically elective oocyte cryopreservation, and its consequences within societal norms and reproductive choices. The results suggest that over 80% of women mentioned the absence of a committed partner as a significant reason for opting for social egg freezing (SEF). Additionally, many women have an increased sense of urgency due to declining fertility with increasing age. Many women reports feeling empowered by exercising control over their reproductive decisions. Cultural conventions surrounding family and parenting can influence decisions regarding egg freezing. Although not the dominant perspective, some women perceive SEF as a means to prioritize their professions before starting a family. The need for financial security before procreation serves as an additional motivating factor. Concerns regarding personal health and fertility may lead women to consider SEF as a viable option.

A descriptive research design was carried out by Fahmy, G., & Mohamed, H. (2021) revealed many challenges faced by participants regarding egg freezing in Egypt. Approximately 75% of the students recognized the anxiety of their future husbands' possible rejection as a significant barrier to considering egg freezing. Approximately 73.3% of respondents recognized cultural perspectives as substantial barriers affecting their decision to consider egg freezing.

In alignment with prior research, a systematic review conducted by Nasab et al., (2020) in the USA

aimed to examine women's perspectives and motivations regarding elective oocyte cryopreservation, encompassing 22 articles. noted that possible motivations for choosing to preserve oocytes included desiring additional time to select a suitable partner, economic stability and career advancement, and concerns about future fertility. Numerous women expressed that the ability to defer parenthood allowed them to achieve personal and professional success before having children. The review also mentioned factors that interfere with the decision about the egg freezing method and concerns regarding physical discomfort and possible consequences associated with the procedure.

2.5.3 Factors Affecting Women's Attitudes on NMOC

A wide range of research has investigated the factors influencing women's attitudes toward NMOC. In Tehran, Iran, Hafezi *et al.*, (2022) revealed that the desire for biological motherhood was a primary motivator of favorable attitudes among 216 women contemplating social egg freezing, indicating significant cultural tendencies towards standard family structures. In a study of 437 women in Al-Qassim, Saudi Arabia, Saadia *et al.*, (2024) found that elevated educational levels significantly impacted positive attitudes and improved awareness of NMOC.

Armstrong *et al.*, (2023) discovered that 520 female medical students in the United States indicated an interest in egg freezing, motivated by knowledge of agerelated fertility decline and career considerations. A literature review by Kynigopoulou *et al.*, (2024), synthesizing findings from 25 worldwide studies, revealed divergent attitudes: some women demonstrated interest in NMOC, while others articulated concerns regarding medical risks, limited success rates, and ethical difficulties. The analysis highlights the urgent need for enhanced fertility education.

In Sweden, Gambadauro *et al.*, (2023) conducted a study of 270 women to evaluate their perceptions of egg freezing for medical and social purposes. Although both scenarios received support, acceptance was greater for medical indications. Participants' willingness to pay (WTP) fluctuated and was influenced by financial considerations. In Scotland, Johnston *et al.*, (2020) conducted a poll of 500 women aged 25–45 years, revealing that younger women, particularly those aged 30–39 years, and individuals with postgraduate degrees exhibited more support for the NMOC, underscoring the influence of age and education.

Zhou *et al.*, (2022) found that medical students in China exhibited greater support for egg freezing than their non-medical counterparts in a sample of 1,236 university students. Tandoğan *et al.*, (2023) conducted a study of 412 women in Turkey and found predominantly positive attitudes, especially among those knowledgeable about fertility technology.

Arendt and Oxlad (2023) carried out a crosssectional study in Australia with 514 women to explore attitudes toward non-medical cryopreservation (NMOC) and the factors influencing these views. Results showed that most participants held moderate to high acceptance of NMOC. Favourable attitudes correlated with personal reproductive goals and career plans, suggesting that women aiming to prolong fertility while pursuing professional or personal ambitions tended to view NMOC positively. Conversely, negative or uncertain perspectives were mainly driven by concerns over costs, identified as a major obstacle, along with medical and ethical issues related to egg freezing. These results indicate that perceptions of NMOC are shaped by individual goals, financial concerns, and attitudes toward the procedure.

In Lebanon, Ghazeeri *et al.*, (2023) found unexpectedly elevated acceptability levels among 318 women, indicating shifting cultural attitudes, even in more traditional environments. (Akhondi *et al.*, 2023; Sewidan & Abd Elhamid, 2023) Likewise, substantial support was found among university students in Iran and Egypt, especially in health-related disciplines. G. Fahmy & H. Mohamed (2021) observed that, despite knowledge gaps among 310 nursing students, their attitudes remained positive and hopeful. Finally, Nasab *et al.*, (2020) conducted a study including 400 Iranian women, revealing favorable opinions on fertility preservation, particularly among younger and more educated individuals.

These data suggest that women's attitudes towards NMOC are influenced by a complex interaction of factors, including age, education, cultural background, financial considerations, and exposure to health education.

2.5.4 source of information regarding NMOC

The literature review highlights the source of information as a factor influencing the level of knowledge and attitudes towards NMOC. For instance, a systematic review by Platts *et al.*, (2021) demonstrated that cultural beliefs, media representations, and misconceptions regarding fertility and age-related decrease significantly influence women's decisions on OFNMR.

A cross-sectional study conducted in Ghana by Osaah *et al.*, (2024) demonstrated that the primary sources of knowledge on fertility awareness for the respondents were health professionals (33.33%), the Internet (30.37%), and television (14.81%). The source of information influenced the participants' knowledge, as their understanding of egg freezing was limited.

In addition, a quantitative study conducted in Portugal by Nunes et al., (2024) illustrated a substantial desire for additional information, with 82.1% of participants wishing for healthcare practitioners to preservation discuss fertility options during consultations. A cross-sectional study conducted in Australia by Sandhu et al., (2023) demonstrated that participants expressed a preference for receiving planned oocyte cryopreservation information by the age of 30, particularly from healthcare practitioners and online resources. Additionally, Akhondi et al., (2023) conducted a cross-sectional study in Iran to evaluate the knowledge and beliefs of 1,279 female university students regarding oocyte cryopreservation for medical and social reasons. While most participants expressed positive attitudes toward egg freezing, understanding of its implications, associated costs, and optimal timing was limited. The majority (95.5%) agreed that healthcare providers should routinely inform women of reproductive age about egg freezing during medical consultations. These findings suggest a need for professional guidance and structured fertility counseling. In a similar cross-sectional study, Sewidan and Abd Elhamid (2023) surveyed 1,279 female medical students in Egypt and found a moderate level of awareness and generally positive attitudes toward oocyte cryopreservation. Cost emerged as a significant factor influencing decision-making. Participants also indicated that healthcare personnel should regularly provide information about egg freezing during routine health consultations. Collectively, these studies emphasize the critical role of healthcare professionals in disseminating reproductive health information and highlight the necessity for systematic educational initiatives to address existing knowledge gaps.

2.6 Knowledge Gap

Numerous international studies have examined the knowledge and attitudes of oocyte cryopreservation, including one conducted in Al-Qassim, Saudi Arabia. Nonetheless, the literature assessment performed through electronic databases uncovered a research gap regarding the knowledge and attitudes of oocyte cryopreservation across Saudi Arabia.

2.7 Limitations of the Included Literature

This literature review is constrained by the possible omission of relevant research due to the limitations of the English-language publication search criteria. Furthermore, it is conceivable that certain studies were not excluded due to the utilization of varied terminology to characterize knowledge and attitudes regarding oocyte cryopreservation. Moreover, research aimed at evaluating the knowledge and attitudes regarding egg freezing in males were omitted.

Appendix 1

Study	Research	Study aim	Study design	Participant	Main finding
reference	setting and	Study ann	Study design	Farticipant	Wiam imumg
(Hafezi <i>et al.</i> , 2022)	Tehran, Iran at Royan Institute	The objective of the study was to evaluate the knowledge and attitudes of female candidates for social egg freezing (SEF) concerning fertility, motherhood, and the implications of oocyte cryopreservation . It aimed to comprehend the elements affecting their decisions on fertility preservation.	cross-sectional study with a questioner	216 women participate d	There is exist significant deficiencies in women's knowledge regarding age-related fertility decline and the process of egg freezing. Main factors affecting decisions to freeze oocytes included: The offspring health Absence of an appropriate spouse Socioeconomic circumstances Employment and educational conditions Concern regarding alone in advanced age Expenses related to oocyte cryopreservation and in vitro fertilization Cultural Perspectives The preference for a biological child was emphasized above adoption or donor conception, reflecting a significant societal inclination towards conventional family
(Saadia <i>et al.</i> ,2024)	Al-Qassim, Saudi Arabia	This study aims to examine the knowledge, attitudes, and perspectives of women of reproductive age in Al-Qassim, Saudi Arabia, concerning fertility and elective oocyte cryopreservation	cross-section study with online questioner	612 participants	arrangements. The study indicated that although numerous participants were aware of social egg freezing, a considerable portion felt inadequately informed about the process. The results revealed a significant association between level of education and awareness of oocyte cryopreservation, with women possessing higher degrees exhibiting superior

				, ., .,	NOV, 2025; 10(10): 541-565
					understanding and more favourable views towards the process. Although acknowledging the hazards linked to late maternal age and the possible advantages of fertility preservation, several individuals conveyed less apprehension regarding their own diminishing fertility.
(Platts et al .,2021)	London, UK	The aim of this review was to explore women's attitudes, knowledge, and intentions regarding the use of OFNMR among both users and the wider public.	systematic review	35 studies	OFNMR users typically had an adequate knowledge of the reduction in fertility associated with aging and the procedure for oocyte cryopreservation. However, public understanding was unclear, with numerous individuals underappreciating the influence of age on fertility. The biggest drive for women to engage in OFNMR was the absence of an appropriate spouse for procreation. The high cost was recognized as a major obstacle to utilizing OFNMR. The review emphasized that societal perceptions, media representations, and misconceptions regarding fertility and age-related decline substantially impact women's choices on OFNMR.
(Armstrong et al., 2023)	University of Kansas School of Medicine - Wichita. United States	This study aims to evaluate medical students' knowledge and attitudes towards oocyte cryopreservation , along with their intentions to utilize this	cross-sectional	122 female	A significant proportion of female medical students would think about planned oocyte cryopreservation. A considerable number of women experienced pressure to delay childbirth

		method in the			and self-identified as
		future.			prospective users of
					oocyte
					cryopreservation.
					While most students
					were aware of oocyte
					cryopreservation,
					their understanding
					of general fertility
					and the success rate
					of oocyte
					cryopreservation was
					limited. Factors
					impacting decision-
					making identified by
					all participants were
					the health of kids,
					possibility of success,
					desire for a child, and
					the preservation of
					fertility. The
					necessity of self-
					administering
					injections and
					uncertainty on the
					desire for children
					were less frequently
					mentioned as factors
					affecting decision-
					making.
(Kynigopoulo	Greece	This research	Literature	72 1 .	Tl l
	Greece			73 article	The phenomenon of
u et al.,2024)	Greece	aims to provide	Review	/3 article	"Egg
	Greece	aims to provide an overview of		/3 article	"Egg Cryopreservation for
	Greece	aims to provide an overview of the societal		/3 article	"Egg Cryopreservation for Social Reasons"
	Greece	aims to provide an overview of the societal factors that		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an
	Greece	aims to provide an overview of the societal factors that prompt women		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage
	Greece	aims to provide an overview of the societal factors that prompt women to think about		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations,
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse,
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability.
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		/3 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		73 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some women are interested
	GACCCC	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		73 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some women are interested to the concept of
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		73 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some women are interested to the concept of social egg freezing,
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		73 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some women are interested to the concept of social egg freezing, several individuals
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		73 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some women are interested to the concept of social egg freezing, several individuals expressed fears
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		73 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some women are interested to the concept of social egg freezing, several individuals expressed fears regarding its success
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		73 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some women are interested to the concept of social egg freezing, several individuals expressed fears regarding its success rates, health dangers,
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		73 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some women are interested to the concept of social egg freezing, several individuals expressed fears regarding its success rates, health dangers, and ethical
	Siece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		73 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some women are interested to the concept of social egg freezing, several individuals expressed fears regarding its success rates, health dangers, and ethical considerations. In
	Siecee	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		73 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some women are interested to the concept of social egg freezing, several individuals expressed fears regarding its success rates, health dangers, and ethical considerations. In addition, there exists
	Greece	aims to provide an overview of the societal factors that prompt women to think about egg cryopreservation , along with their attitudes and understanding of		73 article	"Egg Cryopreservation for Social Reasons" indicates that an increasing percentage of women are choosing to freeze their eggs mostly due to social considerations, including the absence of a suitable spouse, professional development, and financial instability. The review indicates that although some women are interested to the concept of social egg freezing, several individuals expressed fears regarding its success rates, health dangers, and ethical considerations. In

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					enhanced knowledge
					about fertility decline
					and the available
					alternatives for
					fertility preservation.
(Gambadauro	Sweden	The research	prospective	270 participants	The study revealed
et al.,2023)		intended to	survey designe	1 1	that a significant
""",""		examine	d		percentage of
		opinions toward			students accepted and
		oocyte			would think about
		cryopreservation			OC, despite the
		(OC) in various			circumstances
		contexts,			(medical or age-
		particularly			related).
		contrasting			Public Funding
					Support: Support for
		medical and age- related			
					public funding of OC
		situations. It			was more
		aimed to obtain			pronounced in
		insights into			medical contexts than
		citizens'			in age-related
		acceptability and			situations.
		openness			The study assessed
		towards OC,			individuals'
		specifically			Willingness-to-Pay
		about public			(WTP) for OC,
		funding and			focusing the
		willingness to			economic factors
		pay (WTP) for			associated with
		the procedure.			fertility preservation
					alternatives.
(Johnston et	Australia	The objective of	cross-sectional	656 female	Advocacy for
al., 2020)		the study was to		participants	Medical Egg
		investigate			Freezing: More than
		public			97% of respondents
		perceptions of			endorsed access to
		both medical and			egg freezing for
		non-medical egg			medical purposes.
		freezing,			The degree of
		evaluate the			support for non-
		determinants			medical egg freezing
		shaping these			exhibited
		perceptions, and			considerable
		comprehend the			variation based on
		ramifications of			demographic
		egg freezing on			characteristics.
		family planning			Participants under 40
		and reproductive			exhibited greater
		decisions. The			support for non-
		study aimed to			medical egg freezing
		provide			than their older
		evidence-based			counterparts. Women
		policy and			aged 30 to 39
		guidelines for			exhibited significant
		access to EF			support for egg
		services.			freezing alternatives.
					The educational
					background affects
					behaviors, as
					individuals with post-
1	1	1	l		

			Tuginu Timuruu	, may a sadar e zine sen, i	101, 2023, 10(10). 541-503
					graduate degrees
					exhibited varying
					amounts of support
					for non-medical
					reasons in contrast to
					others. Parental
					Intentions:
					Participants' desires
					toward parenthood
					influenced their
					perspectives on
					oocyte
					cryopreservation.
					Financial Obstacles:
					The research
					revealed that cost
					constitutes an
					important obstacle to
					accessing egg
					freezing services,
					with participants
					indicating a
					preference for these
					services to be offered
					at reasonable costs.
(Osaah et al.,	private	This study	cross-sectional	140 participants	The respondents had
2024)	university in	intended to	design		a considerable gap in
	Kumasi,	assess female			understanding age-
	Ghana	reproductive			related reproductive
		awareness,			reduction.
		childbearing			Erroneously assumed
		desires, and			that the reduction in a
		attitudes about			woman's egg quantity
		elective egg			and quality becomes
		freezing among			most significant after
		female college			the age of 40,
		students in			highlighting a
		Kumasi.			substantial deficiency
					in comprehension.
					The main sources of
					information
					regarding fertility
					awareness for the
					respondents were
					health professionals
					(33.33%), the
					Internet (30.37%),
					and television
					(14.81%).Knowledge
					about elective egg
					freezing was limited;
					nonetheless, over half
					(48.89%) of the
					participants
					expressed interest,
					mainly to preserve
					the possibility of
					having a biological
					child in the future. A
					majority of students

			Kagilau Allialuai	, maya Saudi J Life Sci, i	NOV, 2025; 10(10): 541-565
(Zhou et al., 2022)	Hefei, an eastern city in China, included five comprehensiv e universities	The main objective of the study was to investigate university students' knowledge, beliefs, and attitudes regarding elective egg freezing.	cross-sectional	750 participants	that parenthood was essential to them and conveyed a readiness to pursue reproductive treatment should they encounter difficulties in conceiving. This differs from findings in other nations where students favored prioritizing professions above adoption. About 50% of female participants indicated limited understanding of the benefits and risks associated with egg freezing. Approximately 36.9% of participants approved elective egg freezing. The main element affecting support for egg freezing was the students' field of study. Medical students generally exhibit a superior understanding of reproductive
	China, included five comprehensiv	study was to investigate university			limited understanding of the benefits and risks associated with
		beliefs, and			Approximately 36.9% of participants
		freezing.			
					technologies, such as
					egg freezing, which
					is associated with increased
					acceptability.
					Postponed
					Childbearing: The
					prolonged academic schedule in medical
					education frequently
					results in the deferral
					of significant life
					events, including marriage and
					childbearing, leading
					medical students to
					contemplate oocyte
					cryopreservation as a feasible alternative.
					Approximately 60%
					contended that
					marital status ought
					not to be a criterion for egg freezing.
(Kasaven et	UK	The main	cross-sectional	5482 women.	Research reveals that
al., 2023)		objective of the	İ	İ	awareness of oocyte

		Tugnus Timuruu	, may a sadar e zare ser, r	101, 2023, 10(10). 341-303
	research is to			cryopreservation
	enhance			(OC) as a strategy to
	knowledge and			address age-related
	understanding of			reproductive decline
	oocyte			(ARFD) has
	cryopreservation			increased, however
	(OC) as an			substantial
	option for			knowledge gaps
	minimizing age-			persist. The cost load
	related			is identified as a
	reproductive			major obstacle to
	decline (ARFD).			seeking OC for
	The survey aims			ARFD. Optimal
	to examine the			Timing for OC:
	knowledge,			There is no
	attitudes, and			agreement on the
	perspectives of			ideal age for
	women aged 18–			undergoing OC.
	50 years in the			Although numerous
	UK about			women perceive the
	fertility			optimal age as
	preservation			between 20 and 29,
	choices, with a			research indicates
	particular			that ovarian
	emphasis on OC.			cryopreservation is
	emphasis on oc.			frequently sought too
				late, diminishing the
				likelihood of healthy
				live deliveries.
				Rationale for
				Evaluating OC: The
				predominant causes
				for contemplating
				OC are the absence
				of a partner (63%),
				the pursuit of
				financial stability
				(69.4%), and a
				concentration on
				profession (51.4%).
(Sayegh <i>et al.</i> , United	Arah The chicative of	cross-sectional	422 women	-
(Sayegh <i>et al.</i> , United 2023) Emira	•	Cross-sectional	422 WOITIEII	Inadequate Knowledge:
2023) Emira	to evaluate the			Although awareness
	knowledge and			of oocyte
	attitudes of			cryopreservation was
	reproductive-			high at 91.2%, the
	aged women			overall knowledge
	regarding			score among
	planned oocyte			participants was
	cryopreservation			poor, averaging
	(POC) in the			44.44%. A
	United Arab			significant majority
	Emirates (UAE).			of women were
	Ellinates (UAE).			uninformed about
				essential elements of
				the treatment,
				including the
				quantity of hormone
				injections necessary
II II				and the viability rate

					of cryopreserved
					oocytes. The research
					indicated that
					educational
					background was a
					crucial factor
					influencing
					understanding about
					POC. Women
					possessing advanced
					educational
					qualifications,
					especially in the
					medical domain, had
					superior knowledge
					scores relative to
					individuals with
					lesser educational
					attainment. The
					expense of the oocyte
					cryopreservation
					method became a
					significant obstacle
					for several
					participants. A
					considerable number
					of women indicated
					that they would
					contemplate POC if
					expenses were
					subsidized by public
					financing or health
					insurance. Motivatio
					n for POC: The main
					reasons for
					contemplating POC
					were the absence of
					an appropriate spouse
					(42.6%) and
					professional
					progression (25.7%).
					This underscores the
					emotional and
					practical
					considerations
					affecting women's
					choices about fertility
					preservation.
(Nunes et al.,	Portugal.	The objective of	quantitative	257 Portuguese	The findings reveal a
2024)	i ortugur.	the study was to	research	women	substantial deficiency
2027)		explain general	rescaren	WOIIICII	in understanding
		fertility			about fertility among
		knowledge,			participants.
		determinants			Specifically, 51.4%
		influencing			wrongly identified
		fertility,			the optimal age range
		awareness of			for female fertility,
		fertility			while 65.4%
		preservation,			misidentified the age
		attitudes towards			at which fertility
<u> </u>	l .				

	fertility			markedly drops.
	preservation, and			Nonetheless, a
	the inclination to			majority
	seek additional			acknowledged that
	information on			lifestyle variables,
	these subjects			
	_			like smoking and
	among			obesity, in
	reproductive-age			conjunction with age,
	Portuguese			influence fertility.
	women.			Concerning fertility
				preservation, 80.1%
				of participants
				recognized oocyte
				cryopreservation,
				whereas 68.9%
				indicated a lack of
				interest in this option.
				The principal reasons
				for this disinterest
				were a failure to
				contemplate these
				approaches, a refusal
				to conceive, and
				apprehensions around
				aging.
				A significant demand
				for additional
				information was
				seen, with 82.1% of
				participants desiring
				healthcare
				practitioners to
				address fertility
				preservation
				alternatives during
				consultations. This
				indicates an
				acknowledged
				necessity for
				enhanced education
				regarding fertility
				and preservation
				techniques.
				Perspectives on
				Fertility Preservation
				Younger individuals
				shown a higher
				tendency for asking
				questions about
				fertility preservation.
				Rationale for
				Considering
				Preservation: 56.3%
				would think about it
				to avert age-related
				deterioration in
				oocyte quality, whilst
				26.3% would do it
				due to the absence of
				a partner. Financial
	<u> </u>	<u> </u>	l	
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					Concerns: The financial
					consequences were a primary concern for
					32.5% of individuals about fertility
					preservation.
					Awareness of
					Techniques: Knowledge regarding
					numerous fertility
					preservation
					approaches was restricted, with
					merely 34.2%
					cognizant of multiple techniques.
					Education on
					Fertility: A
					substantial majority concurred that
					fertility-related
					education had to be
					incorporated into school curricula and
					medical
(T. 1 ×	T.41. 1	Triangle of the control of the contr		12	consultations.
(Tandoğan <i>et al.</i> ,2023)	Istanbul, Turkey	The objective of this study was to	qualitative study	12 unmarried academic women	Participants generally expressed favorable
,		assess the	2.2.29		views of the benefits
		perspectives of female			of oocyte cryopreservation; yet,
		academicians on			they expressed
		oocyte			concerns about
		cryopreservation			pregnancies resulting from frozen oocytes.
		•			-
(Arendt &	Australian	The major	cross-sectional	514 Australian	The results indicate a
Oxlad, 2023)		objective of this study was to		women	moderate to high level of acceptance of
		examine			non-medical egg
		Australian women's			freezing among Australian women,
		perspectives on			while simultaneously
		non-medical egg			emphasizing that cost
		freezing and to ascertain the			constitutes a barrier influencing women's
		factors			decisions.
		influencing their			
		decisions to freeze eggs.			
(Sandhu et al.,	Australia	The main goal of	cross-sectional	332 women	Knowledge
2023)		the paper is to ascertain the	survey		Deficiencies: Women interested in POC
		information and			demonstrated
		decision support			considerable
		requirements of women seeking			deficiencies in their understanding of the
		information			potential health
		regarding			concerns and success

				, Haya Baddi J Elic Bei, i	
		planned oocyte			rates related to the
		cryopreservation			procedure. A
					significant number of
					women experienced
					uncertainty
					concerning their
					decisions related to
					POC. Participants
					indicated a
					preference for
					obtaining POC
					information by the
					age of 30,
					particularly from
					healthcare providers
					and digital sites.
(Ghazeeri et	Lebanon	The main aim of	cross-sectional	402 women	Considerable
al., 2023)		this study is to	survey		awareness among
		evaluate			Lebanese women
		Lebanese			about this fertility-
		women's			preserving findings
		awareness and			indicated that
		acceptance of			medical egg freezing
		oocyte			garnered greater
		cryopreservation			acceptance than
		, commonly			social egg freezing.
		referred to as			The primary
		egg freezing.			justification for
					social egg freezing is
					to assist women who
					encounter difficulties
					in locating an
					appropriate spouse
					during their optimal
					reproductive years.
					The predominant
					issue among women
					considering egg
					freezing was the
					insufficient
					knowledge pertaining
					to the technique.
					Additional notable
					issues encompassed
					the procedure's safety
					for prospective
					offspring and its effects on future
					fertility. Women
					aged 18-30 were
					determined to be 2.09
					times more inclined
					toward thinking
					about egg freezing
					than those aged 31-
					39. Furthermore,
					unmarried women
					were 4.31 times more
					like to consider it
					than their peers in
	<u>I</u>	l .		I .	man men peers m

			ragnaa / maraar	, Haya Badar J Elle Bel, I	NOV, 2025; 10(10): 541-505
			ragnat 7 maran	, Tray a Saudi y Elife Sei, 1	relationships, while childless women were 5.00 times more likely in comparison to those with children. The study indicated that, despite the traditional and conservative characteristics of Lebanese society, awareness and acceptance of egg freezing were greater than anticipated,
					implying a possible change in attitudes towards fertility preservation in the
(Akhondi et al.,2023)	Iran	The primary objective of this study is to assess the knowledge and beliefs regarding oocyte cryopreservation (OC) for medical and social purposes among female students in Iran.	cross-sectional study	1,279 women	region. Female students in Tehran universities demonstrate a positive disposition towards oocyte cryopreservation although possess insufficient understanding of its effects, expenses, and optimal time. Cost was a crucial element influencing the student's selection. A strong agreement (95.5%) said that healthcare providers ought to frequently furnish information regarding egg freezing to women of reproductive age during medical consultations.
(Sewidan & Abd Elhamid, 2023)	Egypt	The study primarily seeks to evaluate the understanding and perceptions of egg freezing among female students.	Cross-Sectional Study	1279 student	The study indicated a significant awareness and mostly favorable attitude towards oocyte cryopreservation among female medical students. Cost was a crucial element in the decision-making process. Participants concurred that healthcare personnel needed to frequently

-				, ,	
					apprise women of
					reproductive age
					regarding egg
					freezing throughout
					standard health
					consultations.
(Güngör	Istanbul,	The main goal of	cross-sectional	342 participants	The study underlines
Satilmiş <i>et al.</i> ,	Turkey	this research is	research		an increasing interest
2022)		to examine the			in oocyte
		knowledge and			cryopreservation
		attitudes of Turkish			among healthcare
		midwifery and			students, mostly
		nursing students			motivated by job aspirations and a
		regarding oocyte			desire for
		cryopreservation			reproductive
		cryopieser varion			autonomy. Cultural
		•			and ethical factors
					profoundly impact
					attitudes toward the
					practice.
					Students articulated
					many motivations for
					contemplating social
					egg freezing, with
					prevalent causes
					encompassing job
					prioritization, the
					intention to postpone
					delivery due to the absence of suitable
					partners, and
					personal readiness.
(Kostenzer et	Netherlands	The main goal of	Q-methodology	34 women	Prudent Regarding
al.,2021)	Tiomerianas	the research is to	Q memodologj	3 i women	Oocyte
,_ ,_ ,		systematically			Cryopreservation
		examine and			Technology: This
		identify the			viewpoint highlights
		various			a cautious and ethical
		perspectives			stance on oocyte
		about egg			cryopreservation. My
		freezing among			Body, My
		women of			Autonomy: This
		reproductive age.			perspective is
					grounded in liberal
					feminist principles,
					promoting women's independence. Egg
					freezing is perceived
					as unnatural by some
					respondents, who
					voice apprehensions
					over the technology's
					artificiality and its
					impact on
					conventional
					perspectives of
					motherhood and
					reproduction.

				· · · · · · · · · · · · · · · · · · ·	
(Hathaway, 2021)	New Zealand	This paper aims to critically	Systematic review	20 articles	Principal Motivations for SEF
,		review and			Absence of an
		analyze studies			Appropriate Partner:
		on women's			More than 80% of
		motivations and			women identified the
		experiences			lack of a dedicated
		regarding			spouse as a
		assisted			significant reason for
		reproductive			selecting SEF.
		technologies,			Age-Related Fertility
		particularly			Concerns: Numerous
		elective oocyte			women experience a
		cryopreservation			heightened sense of
		, and its			urgency owing to
		implications			diminishing fertility
		within societal			with advancing age.
		norms and			The aspiration for a
		reproductive			contingency strategy:
		choices.			SEF is perceived as a
					method to ensure
					future reproductive
					alternatives.
					Empowerment:
					Numerous women
					express a sense of
					empowerment
					derived from
					exercising control
					over their
					reproductive
					decisions. Social Pressure:
					Cultural norms
					regarding family and
					parenting can impact
					decisions related to
					egg freezing.
					Career Advancement:
					While not the
					prevailing viewpoint,
					several women
					regard SEF as a
					means to prioritize
					their careers prior to
					commencing a
					family.
					Financial Stability:
					The aspiration to
					attain financial
					security prior to
					procreation serves as
					an additional motive.
					Personal Health:
					Worries over
					individual health and
					fertility may prompt
					women to
	<u> </u>				contemplate SEF.

Egypt						
H. Mohamed, 2021) Rosstacles faced by unmarried female nursing students in a bridging program about egg freezing (EF) (EF) Rossian about egg freezing (EF) Research Design of nursing students in a bridging program about egg freezing (EF) (EF) Rossian about egg freezing design etchnicus etchnology among the participants. Attitude Towards Egg Freezing. Despite the existing knowledge deficit. 61.7% of participants demonstrated a favorable attitude towards egg freezing. This indicates that, despite having inadequate understanding, nurnerous students are receptive to the idea of egg freezing. This indicates that, despite having inadequate understanding, nurnerous students are receptive to the idea of egg freezing. Approximately 75% of the students identified the apprehension regarding their future husbands potential refusal as a substantial obstacle to engaging in egg (reczing. Approximately) 73.3% of interviewees identified cultural views as a significant obstacle influencing their choice to contemplate egg freezing. (Nasab et al., USA seeks to investigate systematic systematic participant studies provided the systematic participant studies provided the systematic participant studies provided the sprehension regarding their choice to contemplate egg freezing. (Nasab et al., USA seeks to investigate systematic participant studies prevently favorable pusitions for laterial provided to contemplate egg freezing.	(G. Fahmy &	Egypt	to evaluate the	Descriptive	60 participants	knowledge Level:
attitudes, and obstacles faced by unmarried female mursing students in a bridging program about egg freezing (EF) (EF)		651			1 1	_
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viewpoints and	Cryopreservation:
motivations	Prevalent motivations
concerning	for opting to preserve
elective oocyte	oocytes
	_
cryopreservation	encompassed:
	Wishing for further
	time to identify an
	appropriate spouse.
	Economic stability
	and professional
	progression.
	Apprehension
	regarding future
	fertility Thirty-six.
	Many women
	articulated that the
	capacity to postpone
	parenting enables
	them to attain
	personal and
	professional
	accomplishments
	prior to having
	children.
	Negative Rationales:
	Concerns over the
	physical discomfort
	and possible
	consequences related
	to the egg freezing
	procedure were
	observed.
	Certain women used
	their youth and
	present relationship
	status as
	justifications for
	deferring egg
	freezing.
	Cultural and
	Geographical
	Variations:
	Support for elective
	egg freezing is
	significantly greater
	among women in
	Western nations than
	in non-Western areas.
	Factors affecting
	attitudes comprised
	cultural ideas,
	individual
	experiences, and
	knowledge about
	reproductive
	technologies.
	Overall Sentiments:
	Women in multiple
	trials demonstrated
	considerable
	Considerable

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			endorsement for
			elective egg freezing,
			perceiving it as a
			feasible method for
			safeguarding fertility
			while achieving life
			objectives.
			The prevailing mood
			toward the surgery is
			predominantly
			favorable, as
			numerous women
			feel empowered by
			the decision to
			postpone parenting.

2.8 CHAPTER SUMMARY

This section outlines the methodologies used in gathering information for the literature review. These methodologies encompassed the databases used for the investigations under discussion. This section defines the technique utilized to evaluate the chosen papers. A synthesis of the literature is provided, and the research need is defined.

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