

Yoga & Dietetics

Simple solutions to all pregnancy related problems

> Unique combination of yoga and dietetics

Modified yogic exercises and special menu plans for pregnant women

A complete reference book covering all the stages from Pre-pregnancy to Post-pregnancy



PREGNANCY made comfortable with Yoga and Dietetics

A complete reference book covering all stages from pre-pregnancy to post-pregnancy

Nishtha Saraswat



Published by:



F-2/16, Ansari road, Daryagani, New Delhi-110002 **☎** 23240026, 23240027 • Fax: 011-23240028 Email: info@vspublishers.com • Website: www.vspublishers.com

Regional Office: Hyderabad

5-1-707/1, Brij Bhawan (Beside Central Bank of India Lane) Bank Street, Koti, Hyderabad - 500 095 ☎ 040-24737290 *E-mail:* vspublishershyd@gmail.com

Branch Office: Mumbai

Jaywant Industrial Estate, 1st Floor-108, Tardeo Road Opposite Sobo Central Mall, Mumbai – 400 034 **☎** 022-23510736 E-mail: vspublishersmum@gmail.com

Follow us on:







© Copyright: $V_&S_{1}$:D8? *() }* \$\ \& \& (\#) }*\

DISCLAIMER

While every attempt has been made to provide accurate and timely information in this book, neither the author nor the publisher assumes any responsibility for errors, unintended omissions or commissions detected therein. The author and publisher makes no representation or warranty with respect to the comprehensiveness or completeness of the contents provided.

All matters included have been simplified under professional guidance for general information only, without any warranty for applicability on an individual. Any mention of an organization or a website in the book, by way of citation or as a source of additional information, doesn't imply the endorsement of the content either by the author or the publisher. It is possible that websites cited may have changed or removed between the time of editing and publishing the book.

Results from using the expert opinion in this book will be totally dependent on individual circumstances and factors beyond the control of the author and the publisher.

It makes sense to elicit advice from well informed sources before implementing the ideas given in the book. The reader assumes full responsibility for the consequences arising out from reading this book.

For proper guidance, it is advisable to read the book under the watchful eyes of parents/guardian. The buyer of this book assumes all responsibility for the use of given materials and information.

The copyright of the entire content of this book rests with the author/publisher. Any infringement/transmission of the cover design, text or illustrations, in any form, by any means, by any entity will invite legal action and be responsible for consequences thereon.

DEDICATED TO

My mother Isht Sharma

&

My father, Guru and inspiration

'Padma Shri' Bharat Bhushan

who have dedicated their lives to the

benefit of mankind

Acknowledgements

While writing this book I realised that we cannot accomplish anything alone in this world. Having the idea of the content, the willingness to trudge along the path and putting in all you have is only half the job done. The other half is accomplished when you get the requisite ingredients in the form of encouragement, love and empathy from the ones who love you and who care for you. I would like to thank my husband Neeraj Saraswat, who helped me in giving a definite shape to my thoughts, for his guidance, encouragement, patience (when I worked for hours continuously on this project), and the confidence he showed in me. Otherwise, it was difficult to accomplish this project for a working housewife.

My sincere thanks to my beloved sister Pratishtha Sharma (Yoga Consultant 'Amatra' Spa, Hotel Ashoka, New Delhi) and demonstrators-cum-friends Dr Jitendra Saini (M.Sc., P.D. Yoga) who is a yoga teacher at Indian High Commission, Mauritius and Mrs. Seema Sharma, for giving their precious time for the photo sessions.

My special thanks to Mr. R.A. Gupta, M.D. Pustak Mahal and his editorial team, especially Mr. S.K. Roy, who appreciated my thought process, showed confidence in my writing and guided me well all along.

And last but certainly not the least, my sincere gratitude to all my family members who stood by me and encouraged me all through the writing of this book.

Contents

Preface9
Foreword
Continual Dramanay Vara and Distation
Section 1: Pregnancy, Yoga and Dietetics
Yoga12
 Benefits of Yoga during Pregnancy Benefits of Yoga during Child Delivery Benefits of Yoga Post-pregnancy
Dietetics
Yoga and Dietetics in Pregnancy15
,
Section 2: Pre-Pregnancy
Making up Your Mind17
Getting Ready
•
 Getting Ready Mentally Getting Ready Physically
Yoga before pregnancy
Nutrition before Pregnancy
Nutrition before Fregulancy
Section 3: Infertility and Inability to Conceive
Weight Related Problems36
Obesity or Overweight • Underweight
Stress
Menstrual Disorder
Low Sperm Count (Males)
Late Planning of Pregnancy57
Retroverted Uterus57
Polycystic Ovaries57

Section 4: Understanding Pregnancy

Ovulation	58
Conception	58
The Cell Division	59
 Reaching the Womb Implantation 	
• Increase in the Basic Metabolic Rate (BMR) • Gastrointestinal Changes • Hormonal Changes • Changes in the Body Fluid • Altered Renal Functions	59
Developmental Stages of Pregnancy	60
Section 5: The First Trimester	
• Foetal Development in the First Month • Foetal Development in the Second Month • Foetal Development in the Third Month	61 1
Ideal Weight Gain in First Trimester	62
Common Problems during First Trimester	62
 Morning Sickness Anaemia Frequent Urination 	
Yoga	69
Regular Yogic Workouts during First Trimester	
Dietetics	72
• Regular Diet during First Trimester	70
Precautions to be taken during first trimester	,. / 0
Section 6: The Second Trimester	
Foetal Development in Second Trimester	70
• Foetal Development in Second Trimester. • Foetal Development by the End of Fourth Month • Foetal Development by the End of Fifth Month • Foetal Development by the End of Sixth Month	,, / O
Weight Gain in Second Trimester	79
Common Complications during Second Trimester	
• Heartburn or Gastric troubles • Hypertension • Constipation	
• Leg Cramps • Abdominal Pain	
Yoga	91
 Regular Yogic Workouts during Second Trimester 	
Dietetics	93
Diet Therapy during Second Trimester	
Precautions to be taken during Second Trimester	97

Section 7: The Third Trimester

• Foetal Development in Third Trimester
Weight Gain during Third Trimester
Position of the Foetus
Preparation for the Labour
Types of Birth
Common Complications during Third Trimester
Backache • Oedema (Swelling in legs, feet and hands) Stress Incontinence • Vaginal discharge • Insomnia
Yoga108
 Regular Yogic Workouts during Third Trimester
Dietetics
 Specific Dietary Requirements during Third Trimester
Precautions to be taken during Third Trimester114
Yogic Techniques for Normal delivery114
Yoga and the Childbirth Process
 Dilation or Opening-Up • Expulsion • Delivery
Section 8: Post-Pregnancy
The Lying-in Period
Getting Adjusted to New Changes
Common Problems Post-pregnancy
• Piles • Excessive Bleeding • Stretch Marks • Lack of Sleep
Pigmentation or Chloasma
Yoga121
 Regular Yogic Workouts Post-pregnancy
Lactation
• Yoga Therapy • Diet during Lactation
<u>Appendix</u>
Recommended Dietary Allowances

Preface

There are few happier moments in a woman's life than successfully giving birth to a kicking and healthy baby. Attaining motherhood transforms a woman forever and extracts out a personallying dormant for years deep within her. Preparing for pregnancy and living through those fantastic nine months, moment by moment, is an experience that a woman can never forget in her lifetime.

Pregnancy, the stage of conceiving another life within, leading to the birth of the baby can be broadly classified into three periods — pre, during and post pregnancy. Each period has its own significance, characteristics and complications. Various phases during pregnancy bring about a lot of changes in a woman's life at all levels, physical, mental, emotional and social.

This book is an effort in the direction of understanding the process of pregnancy from all possible dimensions and providing an insight to the reader or should I say the user, which should help her in making the whole process of pregnancy more enjoyable and problem-free. The means to an easy, enjoyable and problem-free pregnancy has been provided through an amalgamation of the regular practice of the ancient Indian science of yoga and the modern yet relevant subject of 'Dietetics'. I can say this as I have been practising yoga since a tender age of three years under the guidance of my father, Yoga Guru 'Padma Shri' Bharat Bhushan and have seen innumerable cases of pregnant women who have been benefited from the application of various modules of yoga and correct diet.

Readers can use this book as a reference during various stages of pregnancy and can find solutions to most of the problems that occur at all those stages. Amazingly, most of the problems associated with pregnancy can be cured with simple application of 'Yoga and Diet'. A proactive and regular application of the suggested yogic techniques and correct diet plan will help them enjoy their pregnancy in a wholesome manner. Pictures, illustrations and charts have been used in the book extensively to make it user-friendly, practical and easy to understand.

The contents of the book are an outcome of my personal experience in the field of yoga as a demonstrator in my earlier years with my father and as an exponent and consultant later. Being a student and then a professor of the extremely relevant subject of Health and Nutrition has given me direction and courage to combine the benefits of Yoga and dietetics and present them to the reader for best usage. The contents have been further substantiated and augmented with information from various textbooks, journals and articles published in India and abroad in various media.

The effort has been to keep the book as simple and usable as possible. The best way to use the book is to live with it during all phases of pregnancy, even though various sections of the book are complete unto themselves. Even those who are planning for their pregnancy can benefit as the book begins with pre-pregnancy stage.

Foreword

It is indeed a pleasant experience to write about this book by Nishtha Saraswat whom I witnessed from early childhood performing yoga on national and international platforms and growing into a well-shaped Yog-Sadhika. She earned depth of yoga in *sanskaras* inherited from her father, world renowned Yoga Guru Shri Bharat Bhushan, the founder of Mokshayatan International Yogashram at Saharanpur and first ever *'Padma Shri'* awardee by the President of India for his excellence and contribution to enrich the great Indian heritage of science of yoga. Nishtha succeeded in giving a scientific vision and reason to yoga during her studies of M.Sc. and she could see and suggest the practice of yoga suiting to particular requirements of the individuals.

Under modern lifestyle of comforts, maternity is growing tough and complicated day by day as women in modern society leave all exercises and even normal physical activities as soon as pregnancy is confirmed. Even newly wedded women are bound to face the consequences of such comforts in the form of frequent complications and caesarean deliveries. As a result, they lose right of healthy life just after one or two deliveries and pregnancy becomes a threat to their life instead of joy of motherhood. Scientific observations now claim that exercises even during pregnancy do not disturb the motherhood but on the contrary help enjoying joy of health, easy pregnancy and balanced growth of baby in the womb followed by comfortable delivery. Readers will learn from this book that yoga is not merely a set of physical exercises but a lifestyle to heal and highlight the spirits of women even under challenging circumstances and the best way to help the baby grow physically, mentally, emotionally and even spiritually. Pregnancy is the time when a baby taking shape in the womb is directly governed by the physical, mental and emotional state of the mother. Indian *rishis* noticed the significance of this special period and made it a part of *Sanskar Vidhi* to guide us for pre, during and post-pregnancy preparations to grow a holy being who is going to descend on this earth in the form of a baby.

I have gone through the book and I feel that this book will fulfil the requirement not only of a pregnant lady under special circumstances but of newly shaping baby and the society at large. The author seems to have observed the gradual changes in women and the baby during pregnancy and has suggested special yoga programme most favourable to enjoy pregnancy with dos and don'ts and the diet discipline to bring perfect results of yoga practice during this period. I feel that this book will prove to be the best friend to a woman to help her during pregnancy and will become the need of every family as motherhood is the foundation stone of the family. My best wishes to this noble effort of the author and the publisher.

Vasant Panchmi. Vikram Samvat 2063

Dated: January 23, 2007

Department of Human Consciousness & Yogic Sciences
Gurukul Kangri Vishwavidyalaya, Haridwar

Pregnancy, Yoga and Dietetics

The word 'Pregnancy' brings with itself a variety of emotions. On one hand, it means devoting the conjugal life towards divine process of 'Srijan' or creation, expectations of a new life descending on earth, unbridled joy, happiness, excitement and expansion. On the other hand, it also means the beginning of a long wait, anxiety, pain and labour. Whatever it may mean to different people, a common aspect of pregnancy is a couple's involvement in creation with a series of possible complications associated with it. Though being pregnant and ultimately being able to give birth to a life is a wonderful, enriching and fulfilling experience and a pride for a woman, but it can also be a difficult and even harrowing experience with lasting impact on both the mother and the child. This, therefore, becomes extremely important that pregnancy be handled in such a manner that not only the outcome but the process of pregnancy itself becomes easy, enjoyable and pleasant. What to say of mother, even the baby in the womb should not pass through any unpleasant experience of screaming with fear or blowing with rage as it will always result in an unbalanced development of the baby.

The question arises as to why should pregnancy be treated any differently from the normal period in one's life? The answer to this lies behind the simple fact that pregnancy is different from other phases in one's life as it involves carrying two lives in one body, which never happens during any other phase of life. And the new life which is carried totally depends on the carrier for everything it needs for its further existence till it comes out into the world to be identified as independent entity. Giving birth to a healthy baby is so important a task that Indian *rishis* prescribed special *Sanskars* as *Garbhadhan Sanskar*, *Punsavan Sanskar* and *Jaatkarm Sanskar* to give proper guidelines to the couple to perform their duty towards humanity in a perfect way and develop the child properly. In other words, all phases involved in pregnancy must be given due attention and care.

The various phases involved in pregnancy are:

- 1. Pre-pregnancy, where one gets physically, mentally and emotionally ready to sow the seed of life
- 2. Conception or beginning of pregnancy, wherein the fertilisation happens and the seed of life is sown
- 3. First trimester or the first three months of the pregnancy, during which the life inside the mother takes shape
- 4. Second trimester or the next three months of the development of life inside the mother's womb
- 5. Third trimester or the last three months of pregnancy, which culminate in the delivery and birth of the baby
- 6. The critical post-pregnancy period, which is as important as the pregnancy itself

Every phase during pregnancy has its own significance in terms of the impact that it has on the lives of the mother and the child. Any one phase not handled well can have long term repercussions and can be detrimental in various ways for the mother and the newly born. Each phase should thus be first understood thoroughly for its significance and should be treated accordingly in order to make pregnancy enjoyable and a truly memorable experience.

What we need to know first about pregnancy and its various stages is the type and nature of the complications involved. Then we should also know how we can overcome those complications and can even avoid them. The dos and don'ts to be observed must be clear in our minds and the solution to most common problems at hand.

So, what is it that one can actually do to look forward to making pregnancy an enjoyable, pleasant and a memorable experience? Where can one find the answers to the most common problems and complications that occur during pregnancy? Is there something that is easy to understand and apply during those crucial nine months to make pregnancy problem-free? Is there something that can be cent percent effective with no side-effects? What should an expectant and expecting mother look up to during that period?

The answer to these important and relevant questions lies within the realms of the two of the most relevant social subjects of modern times, the ancient Indian scientific art of 'Yoga' and the most significant arm of the subject of Health and Nutrition Sciences 'Dietetics'.

Yoga

Yoga has become one of the most spoken and commonly heard word in the recent times. The word 'yoga' is derived from the Sanskrit meaning of the word, which means 'to join' and can be understood as meaning 'Unity' or 'Oneness'. Yoga is not, as many would believe, an ancient art that has mythological heritage, nor is it, as the popular belief goes, only about 'Asanas' and 'Pranayamas'. Yoga, in its true essence, is the science of living in the right manner. It ensures 'the right living' during all stages of life viz. 'Infancy', 'Childhood', Adolescence', 'Adulthood', 'Middle Age' and even 'Ripe Old Age'. It encompasses all aspects of the personality — 'Physical', 'Mental', 'Vital', 'Emotional', 'Psychic' and 'Spiritual'. This is achieved through various forms of yoga.

Yoga creates an environment of dynamic peacefulness and harmony within. On a physical level, it strengthens and tones various parts of the body and improves flexibility, stamina and mobility. Biologically it does a balancing act on different systems of the body, helps increase vitality, strengthens immunity, detoxifies the body and improves all biological processes and brain functioning. Mentally, it increases sensory awareness, improves concentration levels, clears the thought process and relaxes the mind, focuses attention and frees the spirit. And most importantly, it keeps away negativity on all three levels.

The eight forms of a comprehensive yogic system (Ashtanga Yoga) according to Sage Patanjali include:

- Yama moral duties such as Ahimsa (non-violence), Satya (truth), Brahmacharya (celibacy), Aparigraha (self-restraint)
- Niyama self-observances such as purification of inner self through discipline, Shoucha
 (inner cleansing), Santosha (contentment), Swadhyay (self-introspection), Ishwar Pranidhan
 (devotion to Almighty)
- Asana physical yogic exercises
- Pranayama breathing techniques
- Pratyahara dissociation of self-consciousness from outer world
- Dharana concentration on a particular subject
- *Dhyana* meditation
- Samadhi identification with pure consciousness, self-actualisation

Self-actualisation or identification with the pure consciousness is the pinnacle of achievement and ultimate aim of being a *yogi* (one who observes and practises all aspects of yoga in daily life).

What makes yoga so powerful a medium is the fact that it takes the holistic route of unification and harmony. Yoga provides individuals with their own way to connecting with their true selves. Such is the flexibility and adaptability of yoga that it transcends all barriers of place, religion, faith, caste, and creed and establishes connection with everyone who wants to embrace it for well-being.

The science of yoga can be safely and effectively applied during all stages of life for enlightened and problem-free living and pregnancy is no exception to this. Yoga, if practised regularly under restraint and guidance, is known to have an immensely positive impact during all phases of pregnancy. The process of pregnancy will never be the same again if yogic techniques are applied and practised correctly. The entire experience of pregnancy will then be as pleasant as the outcome itself.

The most significant advantage of making yoga a daily ingredient of one's life during pregnancy is that if followed correctly there are only positive effects that are seen. Unlike any other mode of modern treatment or medication, there are no harmful side-effects of practising yoga in the right manner.

Benefits of Yoga during Pregnancy

Yoga minimises the discomforts and complications faced during different stages of pregnancy.
 Yoga improves the circulation of blood, which really helps in dealing with different functional changes occurring in the body.