# Contents

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Contents</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>List of Abbreviations</td>
<td>iv</td>
</tr>
<tr>
<td></td>
<td>List of Tables</td>
<td>v-ix</td>
</tr>
<tr>
<td></td>
<td>List of Maps</td>
<td>ix</td>
</tr>
<tr>
<td></td>
<td>List of Figures</td>
<td>x-xiv</td>
</tr>
<tr>
<td>1.</td>
<td><strong>Introduction</strong></td>
<td>1-14</td>
</tr>
<tr>
<td></td>
<td>❖ Terminology</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>❖ Biology of menopause</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>❖ Stages of normal reproductive ageing in women</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>❖ Evolution of menopause</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>❖ Genetics of menopause</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>❖ Demography of menopause</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>❖ Present study</td>
<td>12</td>
</tr>
<tr>
<td>2.</td>
<td><strong>Review of literature</strong></td>
<td>15-38</td>
</tr>
<tr>
<td></td>
<td>❖ Menopause: historical perspective</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>❖ International status</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>➢ Age at menopause</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>➢ Factors influencing menopause/age at menopause</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>• Anthropometric characteristics</td>
<td>22</td>
</tr>
<tr>
<td></td>
<td>• Physiological characteristics</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>• Socio-economic and lifestyle characteristics</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>➢ Menopausal symptoms</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>➢ Cultural context of menopause</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>➢ Menopause and hormone replacement therapy</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>❖ National status</td>
<td>35</td>
</tr>
</tbody>
</table>
3. **Land and people**
   - Land 39
     - Chandigarh 39
   - People 43
     - Language 43
     - Clothing 45
     - Food 45
     - Punjabi Brahmin and Khatri 46

4. **Material and methods**
   - Material 48
     - Sampling 48
     - Data 48
   - Methods 50
     - Personal interview 50
     - Menarcheal status 50
     - Menopausal status 50
     - Anthropometric measurements 51
     - Indices 53
     - Classifications 54
       - Body Mass Index 54
       - Waist-hip ratio 54
       - Waist circumferences 54
       - Blood pressure 55
     - Statistical analysis 55

5. **Results**
   - Characteristics of the studied populations 56
     - Socio-economic characteristics 56
     - Reproductive characteristics 60
     - Dietary habits and physical activity 66
     - Anthropometric Characteristics 71
     - Physiological characteristics 76
   - Age at menopause 78
     - Retrospective method 78
     - Status-quo method 83
     - Kaplan-Meier method 85
   - Factors influencing age at menopause 99
Brahmin women
Khatri women
❖ Anthropometric characteristics according to menopausal status
❖ Association between menopausal status and central adiposity
  • Brahmin women
  • Khatri women
❖ Prevalence of abdominal adiposity with years after onset of menopause
  • Brahmin women
  • Khatri women
❖ Physiological characteristics according to menopausal status
❖ Menopausal symptoms
  • Brahmin women
  • Khatri women
❖ Other health problems after menopause
❖ Knowledge, concern and attitudes
❖ Hormone replacement therapy
❖ Surgical cases
6. Discussion and conclusions
❖ Age at menopause
❖ Factors influencing age at menopause
❖ Characteristics according to menopausal status
  • Anthropometric
  • Physiological
❖ Menopausal symptoms
7. Summary
Literature Cited