The uterus is a berry-shaped organ constituted of a fundus, body, isthmus, and cervix [1], each superolateral inclination has a fallopian tube that penetrates above the fundus [2]. Uterine broids (UFs) are innocuous smooth muscle growths of the uterus that primarily impact women of reproductive age [3]. They are observed to arise in around 70% of women by the time they hit menopause [4]. Even though the pathogenesis of broids is uncertain, there is compelling proof that oestrogens and progesterone stimulate tumour development [5], as leiomyoma seldom develop before menarche and dissipate afterwards menopause [6]. They might be a solitary nodules or a cluster of nodules, and their dimension can range from minute sprouts to colossal masses [7]. They can lead to severe complications, such as substantial or protracted
their location [12]. The determination of fibroids is conventionally built on observing a dilated, mobile uterus comprising erratic pattern on bimanual assessment or an unintended finding on trans-abdominal sonography [13]. Preoperatively, radiological scanning manners can help support the diagnosis or enhance the localization of a myoma [14]. Ultrasonography is the standard scanning tool for the evaluation of uterine fibroids [15]. Ultrasound should be used foremost because ultrasonography is the least presumptuous and economical inquisition [16]. Abdominal ultrasonography is undertaken with the bladder filled enough to establish a “window” [17]. For the sake of the patient’s convenience, vaginal ultrasound studies are conducted with an empty bladder [18]. Depending on the attributes of the growth, uterine fibroids might appear in a range of ways on ultrasound [19]. Fibroids are typically well-defined solid masses that have a convoluted appearance. These are generally echogenic like the myometrium, though sometimes they can indeed be hypoechoic [20]. They might render the uterus appear thick or disrupt the ordinary uterine structure [21]. Although fibroids that aren’t cemented could have a proportion of posterior acoustic shadowing [22]. Priorly, uterine leiomyomas were seen as fundamental, particularly as the primary culprit of hysterectomy [23]. The management of uterine leiomyomas can be accomplished in several ways. Operative techniques include hysterectomy, myomectomy, myolysis, MR-guided focused ultrasound surgery, and uterine artery embolization, as well as medicinal alternatives including hormonal therapy and gonadotropin-releasing hormone agonists [24]. Uterine fibroids (UF) are a major health concern that impose a significant monetary impact, with Africans holding the greatest prevalence worldwide [25]. As per the research, methodologically, prevalence estimates in a recent analysis varies from 4.5 to 68.6% [26]. This research will guide us to assess the prevalence of uterine fibroids in multipara women as well as to define where they most likely develop.

**METHODS**

A cross-sectional study with a sample size of 140 patients [14] having uterine fibroids was undertaken using a purposive sampling technique. This survey was carried out on patients who came to the Gynaecology Department of the DHQ/Teaching Hospital in Gujranwala after written informed consent. The survey was performed for three months, from February 24th to May 24th, 2022. All patients who reported to the gynaecology department with a uterine fibroid and a parity of three or more were included in the research work. Women not having perceptible pelvic growths associated with periodic irregularity, parity less than three, mass other than uterine fibroid, and ultrasonography-diagnosed ovarian mass were omitted.

The pelvic examination was performed using ultrasound machine (Toshiba, Aplio 300) with a curvilinear probe with frequency range of 2-5MHz. IBM SPSS version 26.0 was used to analyse data.

**RESULTS**

The ages of the patients were ranging from 23 to 60 years old. This research consisted of 140 multiparous women. Table 1 shows that 100 (64.1%) of 140 females with fibroid uterus who reported to the gynaecology department had submucosal fibroids, 33 (21.2%) had intramural fibroids, and 23 (14.7%) had subserosal fibroids.

<table>
<thead>
<tr>
<th>Type of Fibroid</th>
<th>Frequency</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submucosal</td>
<td>100</td>
<td>64.1</td>
</tr>
<tr>
<td>Subserosal</td>
<td>23</td>
<td>14.7</td>
</tr>
<tr>
<td>Intramural</td>
<td>33</td>
<td>21.2</td>
</tr>
<tr>
<td>Total</td>
<td>156</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Table 1: Frequency of Uterine Fibroids based on Their Type

Table 2 demonstrate that fibroids were observed within both anterior and posterior regions of the uterus, with 127 (81.4%) in the anterior and 29 (18.6%) in the posterior.

<table>
<thead>
<tr>
<th>Location of Fibroid</th>
<th>Frequency</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anterior</td>
<td>127</td>
<td>81.4</td>
</tr>
<tr>
<td>Posterior</td>
<td>29</td>
<td>18.6</td>
</tr>
<tr>
<td>Total</td>
<td>156</td>
<td>100.0</td>
</tr>
</tbody>
</table>

Table 2: Frequency of Uterine Fibroids based on Their Location

Table 3 exhibit that the most common reporting problem of patients with uterine leiomyoma in this investigation was menorrhagia in 105 (75%) patients followed by abdominal pain in 44 (31.4%) patients, urinary frequency in 39 (27.9%), and polymenorrhagia in 24 (17.1%) patients.

<table>
<thead>
<tr>
<th>Presenting Complain</th>
<th>Frequency</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Menorrhagia</td>
<td>105</td>
<td>75</td>
</tr>
<tr>
<td>Polymenorrhagia</td>
<td>24</td>
<td>17</td>
</tr>
<tr>
<td>Abdominal Pain</td>
<td>44</td>
<td>31.4</td>
</tr>
<tr>
<td>Urinary Frequency</td>
<td>39</td>
<td>27.9</td>
</tr>
</tbody>
</table>

Table 3: Frequency of Presenting Complaints of Patients

Figure 1 showcase that a total of 47 (33.6%) of the females had a family history associated with uterine fibroids.
**DISCUSSION**

It was a cross-sectional study with a sample size of 140 patients having uterine fibroids and was carried out on patients who came to the Gynaecology Department of the DHQ/Teaching Hospital in Gujranwala. The survey was performed for three months, from February 24th to May 24th, 2022. All patients who reported to the gynaecology department with a uterine fibroid and a parity of three or more were included in the research work. Women not having perceptible pelvic growths associated with periodic irregularity, parity lesser than three, mass other than uterine fibroid, and ultrasongraphy-diagnosed ovarian mass were omitted. In present study, 100 (64.1%) of 140 females with fibroid uterus who reported to the gynaecology department had submucosal fibroids, 33 (21.2%) had intramural fibroids, and 23 (14.7%) had subserosal fibroids. Okogbo et al. also stated the same results in their research [27]. The definitive diagnosis of leiomyoma was established based on clinical findings and USGs conducted on all participants in our research. According to Gambone et al., based on the clinical findings, the diagnosis of uterine fibroids can be achieved with around 95% certainty [28]. As per Abraham et al. research, myoma diagnosis is heavily reliant on clinical manifestations, but USG can help validate that the tumours aren’t extraneous uterine masses [29]. In current research, the most common reporting problem of patients with uterine leiomyoma was menorrhagia in 105 (75%) patients followed by abdominal pain in 44 (31.4%) patients, urinary frequency in 39 (27.9%), and polymenorrhagia in 24 (17.1%) patients. Considering menorrhagia concerns 9% to 14% of healthy women, many health providers will see patients experiencing menorrhagia-related complications. Uterine fibroids, adenomyosis, DUB, pelvic infection, endometriol polyp, as well as the existence of a foreign body, such as an intruterine contraceptive device, are believed to be linked to menorrhagia. As per current data, uterine leiomyomas, which probably grow in usually more than 50% of women, are innocuous but can induce several conditions and difficulties. They may, for instance, cause anomalous uterine bleeding, concealing the detection of ovarian tumours and perplexing the administration of menopause. The patients in this analysis were multiparous with parity of three or more. As fibroids are oestrogen-dependent, their aging value is generally from menarche to menopause. They progress slowly and seldom lead to complications until the third decade of life. During this examination, it was determined that multiparous women who were later described with fibroid uterus exhibited a multitude of menstruation issues as well as lower abdominal swelling, which patients misinterpreted as gaining weight after labour. Menstrual problems prompted them to report to the hospital and have themselves examined. In current study, fibroids were observed within both anterior and posterior regions of the uterus, with 127 (81.4%) in the anterior and 29 (18.6%) in the posterior as stated by Zhang et al. in their study published in 2010 [30]. Another study conducted by JChen et al., published in 2015 also concluded similar results that 3496 fibroids were found in the anterior wall (47.0%) and 2306 in the posterior wall (31.0%) [31]. Present study shows that a total of 47 (33.6%) of the females had a family history associated with uterine fibroids as concluded by Stewart et al. study published in 2017 [4]. A research conducted by Cicibiera et al. published in 2016 also showed that positive family history has direct influence in fibroid development [32].

**CONCLUSION**

The most frequent fibroids seen in patients were submucosal fibroids, trailed by intramural fibroids, and then subserosal fibroids, no pedunculated fibroids were recorded throughout the observation period. Menorrhagia was the most prevalent clinical complaint amongst women with fibroid uterus.

**REFERENCES**


