Milk and Dairy Product Consumption Habits of University Students in Turkey*

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- Yogurt consumption
- Gender
- University students
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- Dietary habits
- Food safety
- Health

Abstract: The present study was conducted to investigate the consumption of milk and dairy products in 361 randomly selected students from Ondokuz Mayis University (OMU) through a questionnaire form applied through face-to-face interviews in the province of Samsun in Turkey. The rate of students who were consuming milk was 86.43% (86.14% in females, 86.79% in males, P=0.980), the rate of students who were consuming one glass of milk daily was 92.35% (94.47% in females, 89.61% in males, P=0.201) and the rate of students who were consuming milk daily was 18.28% (19.80% in females, 16.35% in males, P=0.400). Of the students who do not drink milk, 71.59% (65.77% in females, 78.69% in males, P=0.134) stated that they did not have any reason for not consuming milk, or they did not have the habit of consuming milk. Packaged milk (UHT, sterilized, pasteurized) was being consumed more (60.23%) than non-packaged milk (39.77%) (P=0.001). Female students (80.30%) and male students (79.74%) were found to prefer dairy products to milk (P=0.896). In conclusion, it was determined that generally, OMU students had a good level of milk and dairy product consumption. However, in particular, students' regular daily milk consumption habits were insufficient. Also, gender was found to influence preferences and consumption habits.

Keywords: Dairy product, food safety, habit, milk consumption

Introduction

Milk and dairy products have a very important place in a healthy diet of people. Because milk and dairy products contain all essential amino acids and also the source of many animal proteins, minerals, and vitamins, mainly calcium, phosphorous, and riboflavin (Metin, 2001). While increasing milk consumption as part of energy-restricted diets reduces the fat-free mass, it leads to a higher loss in body weight and fat mass (Stonehouse et al., 2016). Antioxidant activity of milk and dairy products can be enhanced by phytochemicals supplementation while fermented dairy products have been reported to contain higher antioxidant capacity as compared to non-fermented dairy products (Khan et al., 2019).
Yogurt, which is very valuable fermented milk that affects the bioavailability of nutritional substances, is also an easily digestible protein source (Marette and Picard-Deland, 2014). On the other hand, the final nutrient composition of yogurt varies depending on the type of milk used and added sugar and other substances (Aryana and Olson, 2017). Yogurt is also an important glucose source for children in many countries as it is a widely recommended and consumed food in childhood (Williams et al., 2015; Devenish et al., 2019). In the USA, 64.00% of males and 41.00% of females consume yogurt at least once a week (Wang et al., 2013). The total sugar content in fruit yogurts has been reduced compared to previous years in the UK in the framework of obesity (Moore et al., 2020). The fat content of the yogurt is also considered in healthy nutrition. Today, semi-skimmed milk is preferred to a higher extent than whole milk (Wechsler and Wernick, 1992).

Milk and dairy products, which are basic foods for human development, can be beneficial for the oxidative defense of consumers by several mechanisms. Milk and dairy products with protective properties have the potential to act as coadjuvants in conventional therapies, addressing cardiovascular diseases, metabolic disorders, intestinal health, and chemopreventive properties (Khan et al., 2019).

Consumption per capita of milk, cheese, yogurt, ayran, and butter is respectively 41.50 kg, 18.40 kg, 30.60 kg, 18.40 kg, and 1.78 kg in Turkey. Milk consumption per capita is 65.00 kg in the European Union (EU) (ZMO, 2018; IDF, 2019). The amount of milk and dairy product consumption may vary according to the quality, price, and hygiene properties of these products, also the pleasure and preferences of the consumers. In addition, it is reported that the socio-economic and demographic structure of consumers, especially income, education, age, gender, household size, mother's employment status, and the presence of children in the family affect milk consumption (Şengül, 2004; Akbay and Tiryaki, 2007). Şimşek and Açıkgöz (2011) reported that 81% of students stated that milk should be consumed at all ages.

In a study conducted at Ondokuz Mayıs University (OMU), 60.00% of the students were staying in dormitories, 19.00% in student houses, 17.00% with their families of relatives, and 4.00% lived in other places (Şentürk, 2011). Therefore, the determination of the nutrition preferences of university students is valuable for the early prevention of potential disorders and creating healthy generations (Çetinkaya, 2010).

In this study, it is aimed to scientifically reveal the consumption preferences of milk and dairy products, which are important for university students in a balanced and regular diet. Thanks to the findings and results to be obtained, the nutrition policies and practices of university youth and the strategies of commercial companies to produce milk and dairy products will be re-evaluated. In this context, the present study aimed to investigate the students’ consumption habits and preferences of milk and dairy products at OMU University in Turkey. In addition, it was to determine the effect of gender on these preferences.

Material and Methods

The material of this research was composed of the data obtained from the questionnaire conducted by face-to-face interviews with 379 students at OMU between 01 March 2019 and 31 May 2019. However, some incomplete-incorrect questionnaires were excluded from the study, and data from a total of 361 questionnaires were included in the study. The questionnaire was applied to students who were chosen by random sampling method and volunteered for participation. The questionnaire was prepared based on previous work by Şeker et al. (2012). The sample size in the study was calculated as reported by Üstün (2021).

Statistical analysis

First of all, the frequencies of the answers given to the survey questions in the study were calculated. The chi-square test, one of the non-parametric tests, for the comparisons between the gender groups regarding milk consumption habits and preferences was used. Because the data obtained in this study were qualitatively specified. Statistical significance controls of the relationships between categorical variables were evaluated with Pearson chi-square test and Fisher's exact tests (Akgül, 2005). In the statistical analysis, P<0.05 was accepted as the significance level. The IBM SPSS Statistics 22.0 was used for the analyses and calculations (SPSS, 2015).

Results

In this study, results on milk and dairy products consumption preferences and habits of university students in Turkey (whether they drink milk, the reasons for those who do not drink milk, the frequency of milk consumption, the time of the day they drink milk, the daily average amount of milk they drink, the type of milk they prefer according to fat amount, their milk preferences according to whether it is open or packaged, the type of milk they prefer according to the packaging type, the types of milk they prefer according to their content, the most important reasons for purchasing milk and dairy products, whether they prefer milk or dairy products for consumption, whether they find milk and dairy products safe, whether they are considering paying extra for milk or dairy products because they are...
organic, how much extra they can pay for an organic milk or dairy product, which product information do they pay the most attention to when purchasing milk and dairy products, what information are most

Table 1. Milk and dairy product consumption habits of the students

|                                | Male  | Female | Total | P   |
|--------------------------------|-------|--------|-------|-----|
| Do you drink milk?             | n     |        |       |     |
| Yes                            | 138   | 174    | 312   |     |
| %                              | 86.79 | 86.14  | 86.43 | 0.980 |
| No                             | 21    | 28     | 49    |     |
| %                              | 13.21 | 13.86  | 13.57 |     |
| How often do you consume milk? | n     |        |       |     |
| Occasionally                   | 133   | 162    | 295   |     |
| %                              | 83.65 | 80.20  | 81.72 | 0.400 |
| Every day                      | 26    | 40     | 66    |     |
| %                              | 16.35 | 19.80  | 18.28 |     |
| What is the reason for not drinking milk? | n |        |       |     |
| Due to its taste and flavor    | 15    | 29     | 44    |     |
| %                              | 12.29 | 19.47  | 16.23 |     |
| No reason, I am not accustomed | 96    | 98     | 194   |     |
| %                              | 78.69 | 80.77  | 79.71 |     |
| I have been unable to separate a budget for this | 9    | 13     | 22    | 0.134 |
| %                              | 7.38  | 8.72   | 8.12  |     |
| It causes discomfort (allergy, nausea, digestive disorder) | 2    | 9      | 11    |     |
| %                              | 1.64  | 6.04   | 4.06  |     |
| What is your mean daily amount of milk consumption? | n |        |       |     |
| 250 ml (1 glass)               | 138   | 188    | 326   |     |
| %                              | 89.61 | 94.47  | 93.35 |     |
| 500 ml (2 glasses)             | 10    | 8      | 18    |     |
| %                              | 6.49  | 4.02   | 5.10  | 0.201 |
| >500 ml (3 glasses or more)    | 6     | 3      | 9     |     |
| %                              | 3.90  | 1.51   | 2.55  |     |
| Do you find your purchased dairy products safe? | n |        |       |     |
| Yes                            | 114   | 141    | 255   |     |
| %                              | 74.03 | 70.85  | 72.24 | 0.392 |
| No                             | 40    | 58     | 98    |     |
| %                              | 25.97 | 29.15  | 27.76 |     |
| What is your fat preference when consuming packaged milk? | n |        |       |     |
| Whole fat                      | 46    | 36     | 82    |     |
| %                              | 30.26 | 18.18  | 23.43 |     |
| Semi-skimmed                   | 55    | 84     | 139   |     |
| %                              | 36.18 | 42.42  | 39.71 | 0.069 |
| Low fat                        | 22    | 36     | 58    |     |
| %                              | 14.47 | 18.16  | 16.57 |     |
| I don’t care                   | 29    | 42     | 71    |     |
| %                              | 19.08 | 21.21  | 20.29 |     |
| What type of milk do you consume? | n |        |       |     |
| Non-packaged milk              | 77    | 63     | 140   |     |
| %                              | 49.36 | 32.14  | 39.77 | 0.001 |
| Packaged milk (UHT sterilized/pasteurized) | n |        |       |     |
| %                              | 50.64 | 67.86  | 60.23 |     |
| What type of yogurt do you consume? | n |        |       |     |
| Plain yogurt                   | 91    | 85     | 176   |     |
| %                              | 58.33 | 43.14  | 49.86 |     |
| Home-made                      | 58    | 77     | 135   | <0.001 |
| %                              | 37.18 | 39.09  | 38.24 |     |
| Fruit                          | 7     | 35     | 42    |     |
| %                              | 4.49  | 17.77  | 11.90 |     |
| What type of ice cream do you consume most? | n |        |       |     |
| Packaged ice cream             | 37    | 29     | 66    |     |
| %                              | 23.87 | 14.72  | 18.75 |     |
| Cone ice cream                 | 90    | 104    | 194   |     |
| %                              | 58.07 | 52.79  | 55.11 | 0.004 |
| Stick ice cream                | 28    | 64     | 92    |     |
| %                              | 18.06 | 32.49  | 28.14 |     |
| What is your status of consuming dairy products? | n |        |       |     |
| I prefer dairy products more   | 122   | 159    | 281   |     |
| %                              | 79.74 | 80.30  | 80.06 | 0.896 |
| I prefer milk more             | 31    | 39     | 70    |     |
| %                              | 20.26 | 19.70  | 19.94 |     |
Table 1 (Sequel). Milk and dairy product consumption habits of the students

| What is your most important preference in consuming milk and dairy products? | Male | Female | Total | P |
|---|---|---|---|---|
| They are nutritious, healthy | 131 | 77.16 | 80.40 | 0.084 |
| I like them, I am accustomed | 24 | 69 | 19.60 | 0.084 |
| **At which meal do you consume milk most?** | | | | 0.308 |
| Before going to bed | 89 | 70.79 | 57.39 | |
| At any time during the day | 29 | 47 | 76 | |
| In the morning | 36 | 18.32 | 71 | |
| What type of milk do you consume more often? | | | | 0.001 |
| Fruit | 16 | 16 | 32 | |
| Cocoa | 22 | 77 | 99 | |
| Unsweetened | 19 | 12 | 31 | |
| Sweetened | 12.34 | 6.25 | 8.96 | |
| It does not matter | 63 | 34 | 97 | |
| Which package type do you prefer when purchasing milk? | | | | 0.001 |
| Carton box (500-1000 ml) | 45 | 31.31 | 30.66 | |
| Plastic bottle | 5 | 2 | 7 | |
| Glass bottle | 44 | 54 | 98 | |
| Carton box (200 ml) | 6 | 36 | 42 | |
| It does not matter | 51 | 44 | 95 | |
| What is your most important criterion when purchasing milk and dairy products? | | | | 0.036 |
| Animal specie | 59 | 29.85 | 33.62 | |
| Fat rate | 3 | 5 | 8 | |
| Price | 4.57 | 1.00 | 2.54 | |
| Reliability (brand, label information, production type, expiry date, having the approval number obtained from the Ministry of Agriculture and Forestry, hygiene conditions, freshness) | 63 | 111 | 174 | |
| Other (inexpensive, packaged, organic, commercial and promotional application, salt rate, sales place) | 21 | 23 | 44 | |
| Would you agree to overpay for organic milk and dairy products? | | | | 0.033 |
| Yes | 114 | 64.18 | 90.17 | |
| No | 38 | 31 | 9 | |
| At what rate do you find it reasonable to pay more for organic milk and dairy products? | | | | 0.338 |
| Up to 10% | 82 | 113 | 195 | |
| 11-20% | 34 | 34 | 68 | |
| More than 20% | 20.56 | 16.48 | 20.78 | |
Table 2. Multiple preferences regarding the milk and dairy consumption habits of students

| Which milk and dairy product types do you prefer? | Male | Female | Total | P     |
|--------------------------------------------------|------|--------|-------|-------|
| 1. Milk                                          | 35   | 19     | 54    |       |
| %                                               | 22.29| 9.60   | 15.22 |       |
| 2. Cheese                                        | 0    | 0      | 0     |       |
| %                                               | 0.00 | 0.00   | 0.00  |       |
| 3. Yogurt                                       | 2    | 2      | 4     |       |
| %                                               | 1.27 | 1.00   | 1.13  |       |
| 4. Ayran                                        | 0    | 1      | 1     |       |
| %                                               | 0.00 | 0.50   | 0.28  |       |
| 5. Ice cream                                    | 0    | 0      | 0     |       |
| %                                               | 0.00 | 0.50   | 0.28  |       |
| 1 and 3 (highest double preference)             | 6    | 2      | 8     |       |
| %                                               | 3.82 | 1.00   | 16    |       |
| Sum of the other two-choice combination preferences | 4.46 | 5.55   | 5.07  |       |
| %                                               | 7.64 | 11.11  | 5.63  |       |
| 1. 2, and 3 (highest triple choice)             | 7    | 13     | 20    |       |
| %                                               | 5.74 | 5.06   | 5.35  |       |
| Sum of the other three-choice combination preferences | 12  | 22     | 34    |       |
| %                                               | 11.46| 14.65  | 13.24 |       |
| 1, 2, 3, 4 (highest quadruple preference)       | 9    | 10     | 19    |       |
| %                                               | 5.74 | 5.06   | 5.35  |       |
| Sum of the other four-choice combination preferences | 18  | 29     | 47    |       |
| %                                               | 11.46| 14.65  | 13.24 |       |
| All                                             | 38.86| 44.45  | 41.97 |       |
| What are your reasons for choosing unpackaged milk? |      |        |       |       |
| 1. It is natural, delicious, the product is safe | 34   | 33     | 67    |       |
| %                                               | 26.98| 26.19  | 26.59 |       |
| 2. It is brought to the door and is healthy      | 4    | 0      | 4     |       |
| %                                               | 3.17 | 0.00   | 1.59  |       |
| 3. Yogurt is better and is a family habit        | 2    | 3      | 5     |       |
| %                                               | 1.59 | 2.39   | 1.98  |       |
| 4. It does not contain additives                 | 5    | 4      | 9     |       |
| %                                               | 3.97 | 3.18   | 3.57  |       |
| 5. It is inexpensive and fresh                   | 10   | 5      | 15    |       |
| %                                               | 7.94 | 3.98   | 5.95  |       |
| 1 and 3 (highest double preference)             | 10   | 19     | 29    |       |
| %                                               | 7.94 | 15.07  | 11.51 |       |
| Sum of the other two-choice combination preferences | 20  | 12     | 32    |       |
| %                                               | 15.88| 9.52   | 12.71 |       |
| 1. 3 and 4 (highest triple preference)          | 12   | 14     | 26    |       |
| %                                               | 9.52 | 11.11  | 10.32 |       |
| Sum of the other three-choice combination preferences | 13  | 1      | 14    | 0.082|
| %                                               | 10.31| 0.79   | 5.55  |       |
| 1, 3, 4 and 5 (highest quadruple preference)    | 8    | 21     | 29    |       |
| %                                               | 6.35 | 16.66  | 11.51 |       |
| Sum of the other four-choice combination preferences | 2   | 9      | 11    |       |
| %                                               | 1.59 | 7.14   | 4.36  |       |
| All                                             | 38.86| 44.45  | 41.97 |       |
| Your preferences regarding cheese consumption   |      |        |       |       |
| 1. Kashar cheese, Mozzarella                     | 30   | 21     | 51    |       |
| %                                               | 19.35| 10.50  | 14.37 |       |
| 2. Curd cheese, Tulum cheese                     | 15   | 4      | 19    |       |
| %                                               | 9.67 | 2.00   | 5.35  |       |
| 3. Creme cheese                                 | 3    | 11     | 14    |       |
| %                                               | 1.94 | 5.50   | 3.94  |       |
| 4. White cheese                                 | 43   | 49     | 92    |       |
| %                                               | 27.74| 24.50  | 25.92 |       |
| 1 and 4 (highest double preference)             | 9    | 27     | 36    | 0.002|
| %                                               | 5.81 | 13.50  | 10.14 |       |
| Sum of the other two-choice combination preferences | 5    | 23     | 28    |       |
| %                                               | 3.23 | 11.50  | 7.89  |       |
| 1. 3 and 4 (highest triple preference)          | 21   | 23     | 44    |       |
| %                                               | 13.55| 11.50  | 12.39 |       |
| Sum of the other three-choice combination preferences | 14  | 18     | 32    |       |
| %                                               | 9.03 | 9.00   | 9.01  |       |
| All                                             | 15   | 24     | 39    |       |
| %                                               | 9.68 | 12.0   | 10.99 |       |

NA: No Analysis (Statistical analysis was not performed because there are cells with 0 frequency in the cross table between the variable and gender and the results cannot be reliable)
affected when choosing milk and dairy products, reasons to choose the place where they buy milk and dairy products) were obtained.

The results regarding the students’ milk and dairy product consumption and preferences have been presented in Table 1, and the findings of multiple preferences are given in Table 2.

Discussion and Conclusion
According to the results obtained from this study, the rate of milk drinkers was 86.43% (86.14% in females, 86.79% in males, P=0.980), the rate of drank milk every day was 18.28% (19.80% in females, 16.35% in males, P=0.400), the rate of drinking milk at any time during the day 22.03% (24.61% in females, 18.83% in males, P=0.308), the rate of drink milk before going to bed 57.39% and also the rate of

Table 2 (Sequel). Multiple preferences regarding the milk and dairy consumption habits of students

| What information do you pay attention to when buying milk and dairy products? | Male | Female | Total | P  |
|----------------------------------------------------------------------------|------|--------|-------|----|
| Place of manufacture, expiry date, brand | n=55 | n=69 | 124  |    |
| Compliance with food standards, Ministry of Agriculture and Forestry production permit | n=29 | n=26 | 55   |    |
| Additive content, nutritional value table | n=18 | n=30 |     |    |
| Place of manufacture, expiry date, brand | n=11.54 | n=6.12 | 17.66 | 0.056 |
| Compliance with food standards, Ministry of Agriculture and Forestry production permit | n=9 | n=9 | 18  |    |
| Additive content, nutritional value table | n=5.77 | n=4.59 | 5.17 |    |
| What information are you affected by when choosing milk and dairy products? |   |       |       |    |
| Negative news about products | n=54 | n=49 | 103  |    |
| The product’s being imported | n=12 | n=7  | 19   |    |
| Use of additives in the product | n=31 | n=50 | 81   |    |
| Brucella and tuberculosis | n=15 | n=21 | 36   |    |
| Negative news about products | n=10.00 | n=10.32 | 10.32 | 0.085 |
| The product’s being imported | n=7 | n=6 | 12  |    |
| Use of additives in the product | n=16 | n=30 | 46   |    |
| Brucella and tuberculosis | n=10.67 | n=15.47 | 13.45 |    |
| Negative news about products | n=4 | n=17 | 21   |    |
| The product’s being imported | n=5 | n=6 | 9    |    |
| Use of additives in the product | n=3.33 | n=3.09 | 2.62 |    |
| Brucella and tuberculosis | n=6 | n=9 | 15   |    |
| All | n=4.00 | n=4.64 | 4.39 |    |

Your reason for choosing the places where you can buy milk and dairy products?

| Staff and service quality | n=16 | n=20 | 36   |    |
| Credit card use, chance of paying in installments, discount or promotion application, reasonable price | n=26 | n=16 | 42   |    |
| Familiar place | n=16.99 | n=8.25 | 12.10 |    |
| All shopping at the same time, abundant variety, easy accessibility | n=19 | n=22 | 41   |    |
| Brucella and tuberculosis | n=12.42 | n=11.34 | 11.82 |    |
| All shopping at the same time, abundant variety, easy accessibility | n=50 | n=84 | 134  |    |
| All shopping at the same time, abundant variety, easy accessibility | n=32.68 | n=43.30 | 38.62 | 0.469 |
| All shopping at the same time, abundant variety, easy accessibility | n=11 | n=20 | 31   |    |
| Sum of the other two-choice preferences | n=7.19 | n=10.31 | 8.94 |    |
| Sum of the other two-choice preferences | n=13 | n=14 | 27   |    |
| Sum of the other two-choice preferences | n=8.50 | n=7.22 | 7.78 |    |
| Sum of the other two-choice preferences | n=6 | n=6 | 12   |    |
| Sum of the other two-choice preferences | n=3 | n=3 | 6    |    |

Table 2 (Sequel). Multiple preferences regarding the milk and dairy consumption habits of students
In the study, 80.40% of students at OMU consumed milk and dairy products due to them being nutritional and healthy (77.16% in females, 84.52% in males). The plain yoghurt was declared the most preferred (49.86%) and fruit yoghurt the least (11.90%) preferred dairy product in OMU. It was observed that female students preferred homemade yoghurt (39.09%), while male students preferred plain yoghurt (58.33%) more. These findings show that university students attach importance to health and nutrition as expected from them. For people who are lactose intolerant, it is no longer necessary to avoid all dairy foods, and in particular, yoghurt is well tolerated and provides the nutritional benefits of dairy products (Rozenberg et al., 2016). The students have a suitable palate to eat plain yoghurt and that gender affects the choice of yoghurt varieties.

According to the study, OMU students mostly consume milk, cheese, yoghurt, ayran, and ice cream (whole) (41.97%). Male students mostly preferred white cheese (27.74%), female students mostly preferred white cheese (24.50%). In the study, it was determined that OMU students mostly preferred ice cream in a cone (55.11%). The least preferred was packaged ice cream (18.75%). While female students prefer ice cream with fruit more (32.49%), male students prefer ice cream in a cone (58.07%). In Balikesir University, students consumed 22.30% yoghurt and 76.00% cheese every day (Yılmaz and Özkan, 2007) also, in Gaziosmanpaşa University, ice cream with cocoa is mostly preferred (36.00%) (Uzunöz and Gülşen, 2007). These findings confirm that the consumption of milk and dairy products might be a marker for healthier eating habits (Campmans-Kuijpers et al., 2016).

The most important criterion is reliability (brand, label information, production date, etc.) (49.15%) (p=0.036) for OMU students when purchasing milk and dairy products. Most of the students give importance to the place of production, expiration date, and brand when purchasing products (35.64%). In addition, those most affected by the negative news about the products (30.12%). On the other hand, the majority of students at KU give more importance to the brand (74.50%) (Çetinkaya, 2010) and the expiration date (84.67%) at Gaziosmanpaşa University (Uzunöz and Gülşen, 2007). In a study conducted in GU, it was reported that the most important factor encouraging students’ milk and milk consumption was family habits (86.70%). Concerning encouraging the consumption of milk and dairy products, 71.70% of the students stated that they found the advertising and promotion activities inadequate (Şahinöz and Özdemir, 2017).

Also in the present study. Would you agree to overpay for organic milk and dairy products? the rate of students who said "yes" to the question was found to be 80.17% (84.18% in females, 75.00% in males).
At what rate do you find it reasonable to pay more for organic milk and dairy products? The rate of students who stated that they agreed to pay up to 10% more to the question was determined to be the highest with 58.74%. Although there is a difference between female students (64.20%) and male students (56.16%) in terms of this preference, it was not statistically significant. According to these findings, it is understood that females are significantly more sensitive than males in choosing to consume organic products. Likewise, female students found it reasonable to pay extra for organically produced milk and dairy products at a higher rate than male students. The fact that they find it reasonable to pay the highest rate of up to 10% overpayment for both genders can be attributed to the limited financial means of the participants due to being students.

In this study, the most consumed milk, ice cream and yogurt type, the most consumed milk type, the most preferred milk and dairy products, the answers to the most important priority questions when purchasing milk and dairy products were found to be significant. Also, statistically significant differences were found between male and female students in terms of the answers given to the questions about the package type preferred when buying milk, preferences regarding cheese consumption, to determine whether to agree to overpay for organic milk.

According to the research, it is a positive situation that university students drink milk generally and mostly because it is beneficial for health. Students prefer to consume dairy products instead of milk, but the rate of consumption of cheese, yogurt, ayran and ice cream alone or together is low. The presence of those who find the purchased dairy products unsafe may be due to the presence of bad and unsuitable products in the market. However, when purchasing milk and dairy products, factors such as place of production, expiration date, brand, compliance with food standards, production permit of the Ministry of Agriculture and Forestry, additive content, nutritional value table are taken into account at a low rate. In addition, the reliability option, which is among the most important criteria to be considered when purchasing a product, was not preferred at a high rate. It is remarkable but negative situation that the students who buy milk and dairy products consider factors such as the presence of additives in the products, the presence of diseases such as Brucella and tuberculosis at a low rate, and the negative news about the products at a high rate.

As a result, there are issues that need to be changed in the milk and dairy products consumption habits and preferences of the students. It is recommended to conduct scientific studies such as panels, seminars or conferences in order to improve the awareness and knowledge levels of students, to include elective courses related to healthy nutrition, and to use mass media effectively.

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