

## Report on the academic performance of graduates of the 2018-2019 academic year in all faculties of the I. K. Akhunbayev KSMA

State final attestation in the I.K. Akhunbayev KSMA includes 3 stages:

1<sup>st</sup> - curation at the patient's bedside;

2<sup>nd</sup>- interdisciplinary computer testing in 4 disciplines: therapy; surgery; obstetrics and Gynecology and Pediatrics at the Center for Clinical Skills Development, Knowledge Assessment and Internship;

3<sup>rd</sup>- a comprehensive interdisciplinary oral exam. The total number of graduates of KSMA on 1.06.2019 academic year is 1125 students, the number by faculty is shown in Figure.

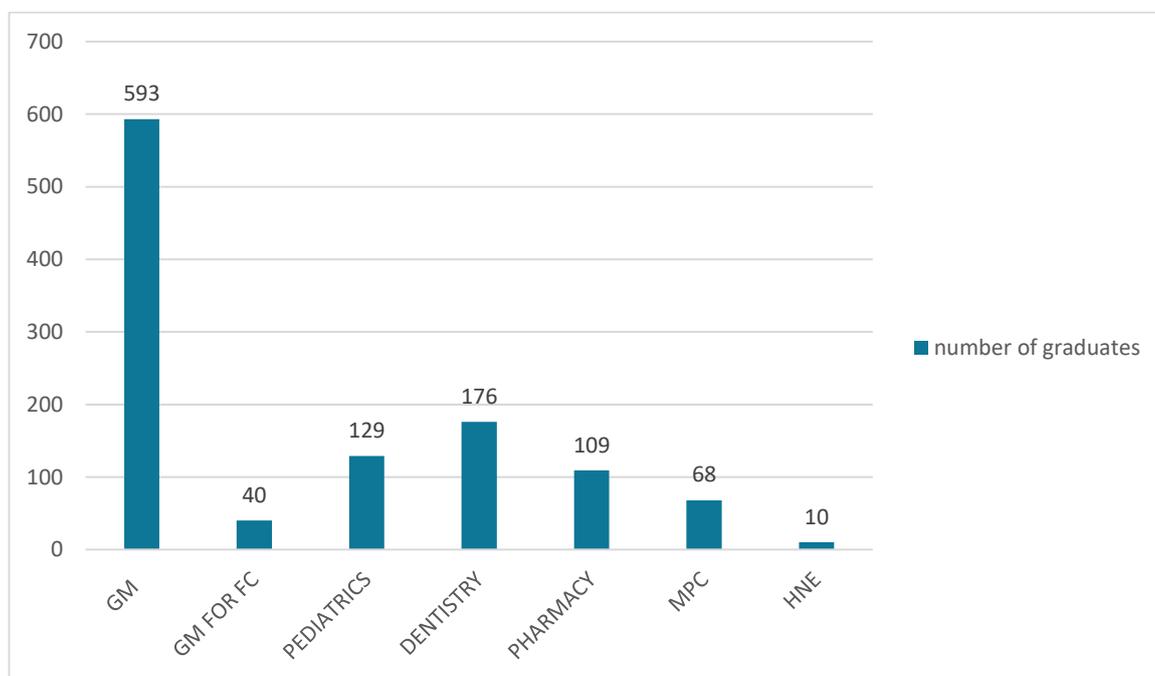


Fig. Number of graduates by faculty.

In-the 2018-19 academic year, graduates of the General Medicine(GM) faculty with a 6-year training period totaled 593 students, including 296 at the Faculty of GM 1 and 297 at GM 2. At the Faculty of FC for also with 6-year training – 40 students, at the Faculty of Pediatrics- 129, at Dentistry- 176, at Pharmacy-109, at PMC- 68 and the smallest number of graduates at the Faculty of HNE- 10 students.

Data on the results-of the 2nd stage (complex interdisciplinary exam by computer testing) for all faculties are presented in Table.1.

The analysis was carried out using the indicators of «unsatisfactory», «satisfactory», «good» and «excellent» grades, as well as the average score, quality indicator (QI) and % of academic performance.

Table 1 – Results of academic performance of graduates of the 2018-19- academic year in all faculties.

Faculties	Unsatisfactory	Satisfactory	Good	Excellent	Total	Average score	Quality indicator	% of academic performance
GM1	2	55	75	164	296	4.4	80.7	99.3
GM2	0	59	64	174	297	4.4	80.1	100
FS	0	7	15	18	40	4,3	82,5	100
Pediatrics	0	2	22	105	129	4.8	98.4	100
Dentistry	0	23	48	105	176	4.5	86.9	100
Pharmacy	0	21	48	40	109	4.2	80.7	100
PMC	0	9	28	31	68	4.3	86.8	100
HNC	0	0	1	9	10	4.9	100.0	100

### Results for the General Medicine Faculty.

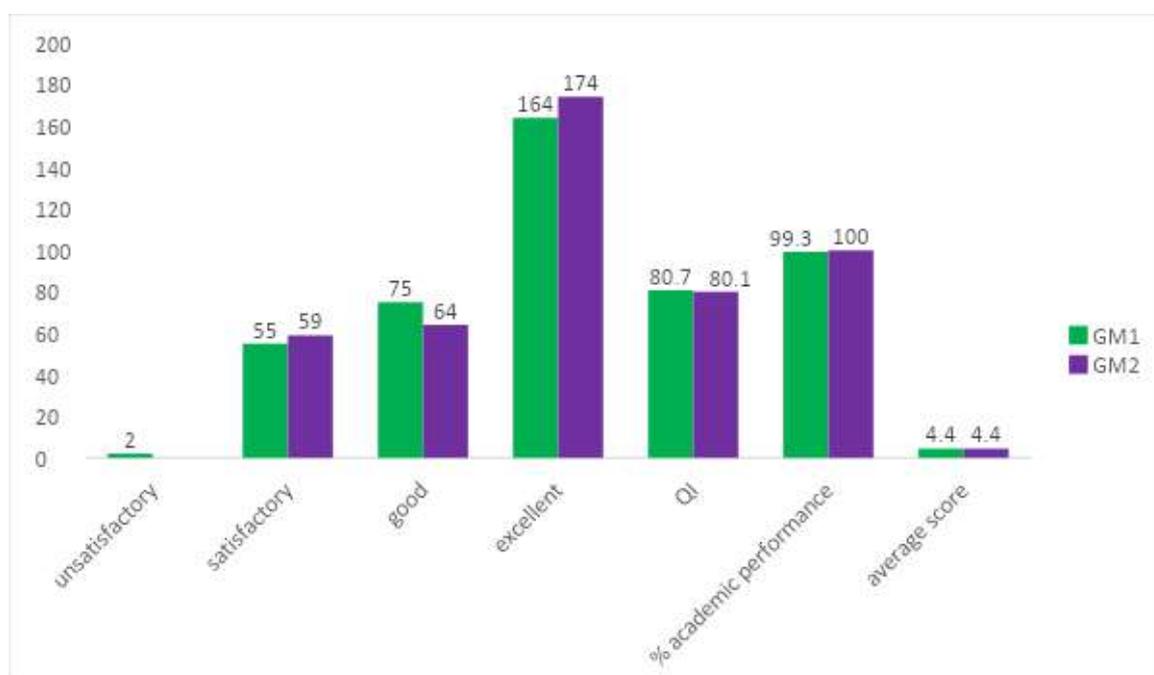


Figure 1. Qualitative and quantitative indicators of knowledge of General Medicine faculty graduates (593 graduates).

The number of students who passed the exam for «excellent» and «good» was 477 students, which is 80.4 %. Of these, 338 students passed «excellent» (**57%** of the total number of students and 70.9% among graduates with good and excellent academic performance). And 139 students, respectively, passed «good», which was **23.4%** of the total number of students and 29.1% among graduates with good and excellent academic performance.

114 students passed the «satisfactory» assessment, which accounted for **19.3** % of the total number of graduates at this faculty.

In total, there were 2 students who did not pass the exam-of the 2nd stage, which is **0.3** %.

Thus, students with excellent and good knowledge accounted for 80.4%, average knowledge of 19.2 % of students who did not master the educational program was 0.3%. Accordingly, the QI was 80.4, and the average score of 4.4 % of academic performance across the faculty was 99.7 % (Fig.).

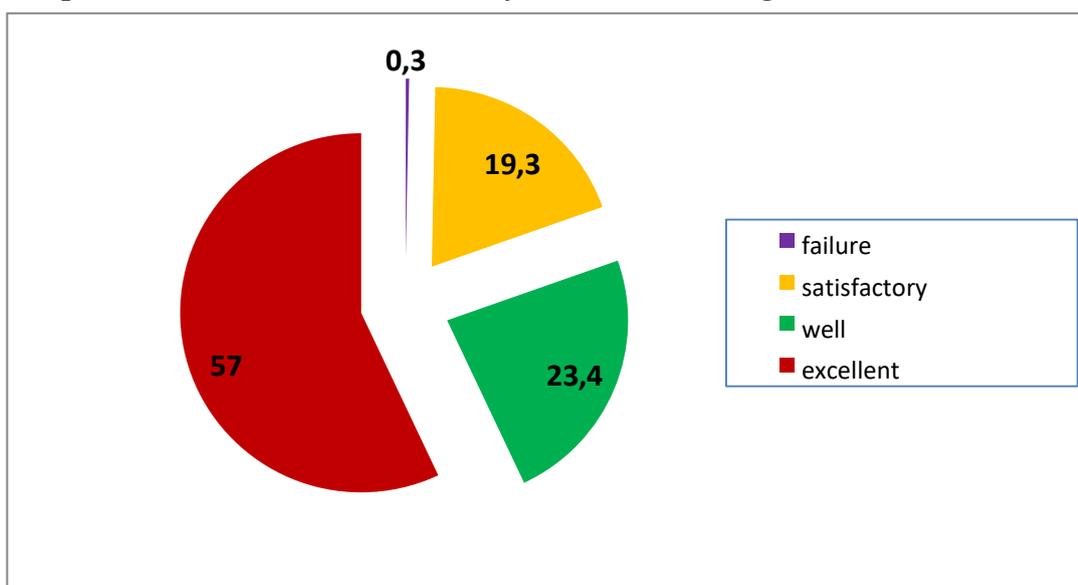


Fig. Qualitative knowledge indicators (%).

It should be noted that when comparing the results between-the 1<sup>st</sup> and 2<sup>nd</sup> streams, the performance of GM 2 is better:

- First, 2 graduates with GM 1 (0.7%) received unsatisfactory grades, while this indicator was 0 for GM 2 %;

- Secondly, 174 students (58.6% of the total number of students) passed the exam with an excellent score.

graduates of the stream), and on GM 1 – 164 (55.4 %), which is an increase of 3.2 %;

- Third, the percentage of academic achievement at this faculty was 100 %, and in GM 1-99.3 %.

### **Results of the Faculty of General Medicine for Foreign Citizens.**

In the 2018-19 academic year, only 40 students graduate.

Number of students who passed the exam for «excellent» and «good» there were 33 students, which is 82.5 %. Of these, 18 students passed «excellent» (45 % of the total number of students and 54.5 % among graduates with good and excellent academic performance). And 15 students, respectively, passed the «good» test, which accounted for 37.5% of the total number of students and 45.5% among graduates with good and excellent academic performance.

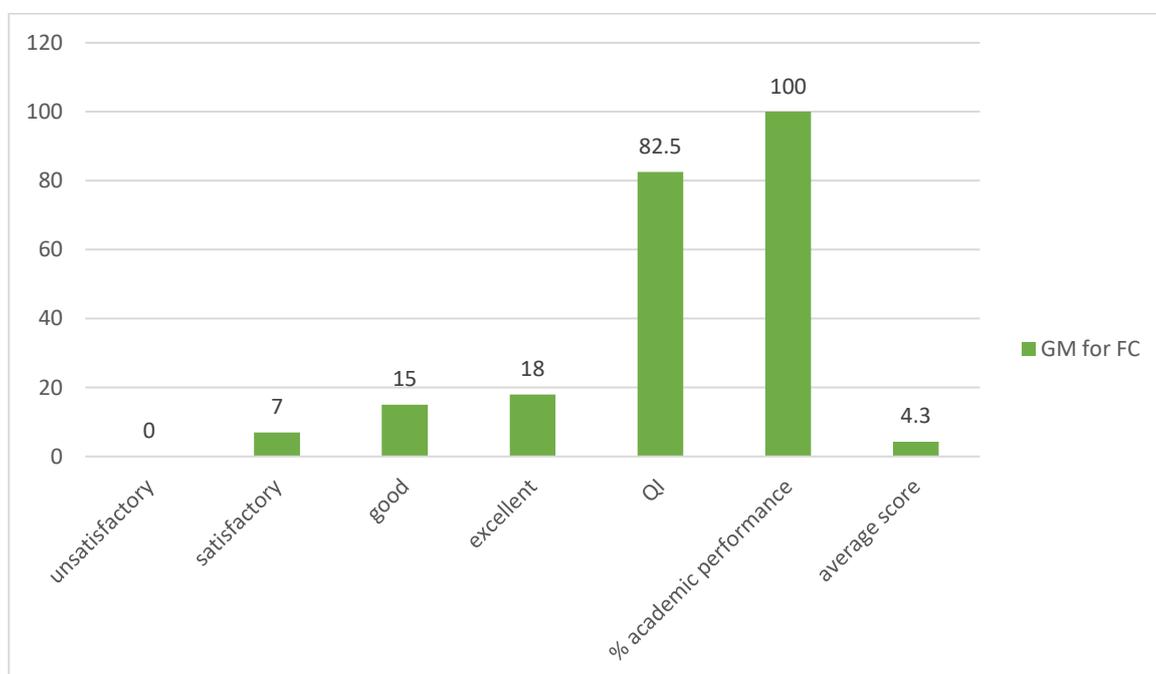


Figure 1. Qualitative and quantitative indicators of knowledge of medical faculty graduates.

7 students passed the «satisfactory» assessment, which accounted for 17.5 % of the total number of graduates at this faculty.

There were no students who did not pass-the 2nd stage exam (0 %).

Thus, students with excellent and good knowledge accounted for 45%, average knowledge of 37.5 % of students. Accordingly, the QI was 82.5, the average score was 4.3, and the % academic performance in the faculty was 100 % (fig.).

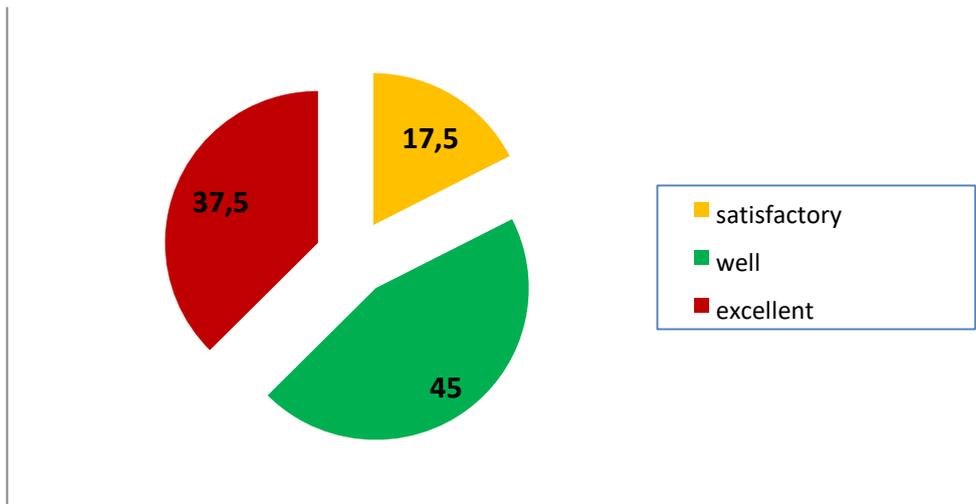


Fig. Qualitative knowledge indicators (%).

### Results of the Faculty of Pediatrics.

In the 2018-19 academic year, 129 students graduated.

The number of students who passed the exam for «excellent» and «good» was 127 students, which is 98.4 %. Of these, 105 students passed «excellent» (**81.4 %** of the total number of students and 82.7 % among graduates with good and excellent academic performance). And 22 students, respectively, passed «good», which was **17.1%** of the total number of students and 17.3% among graduates with good and excellent academic performance.

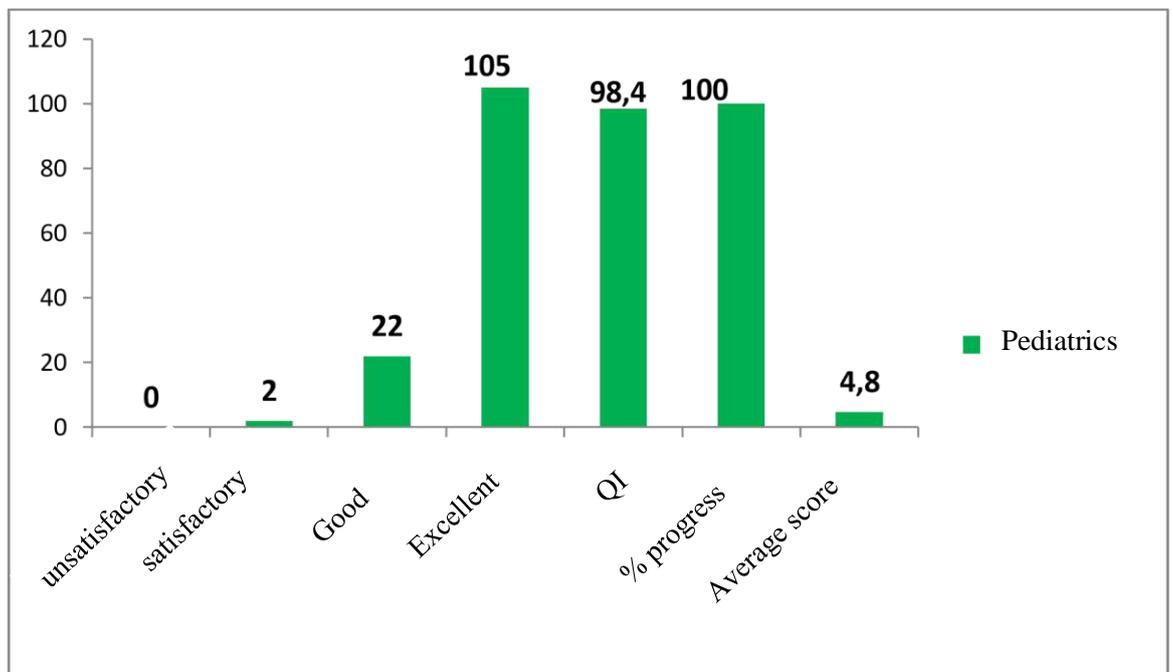


Figure 1. Qualitative and quantitative indicators of knowledge of graduates of the Faculty of Pediatrics.

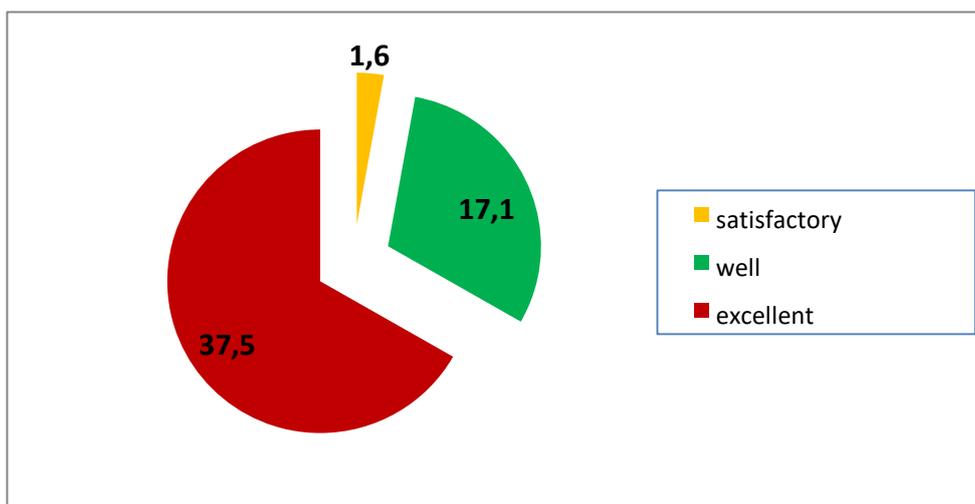


Fig. Qualitative knowledge indicators (%).

Only 2 students passed the «satisfactory» grade, which was **1.6** % of the total number of graduates at this faculty.

There were no students who did not pass-the 2nd stage exam (**0** %).

Thus, students with excellent and good knowledge made up 98.4 %, average knowledge of 1.6 % of students. Accordingly, the QI was 98.4, the average score was 4.8, and the % academic performance in the faculty was 100 % (fig.).

### **Results of the Faculty of Dentistry.**

In the 2018-19 academic year, 176 students graduated.

The number of students who passed the exam for «excellent» and «good» was 153 students, which is 86.9 %. Of these, 105 students passed «excellent» (**59.7** % of the total number of students and 68.6 % among graduates with good and excellent academic performance). And 48 students, respectively, passed «good», which was **27.3** % of the total number of students and 31.4 % among graduates with good and excellent academic performance.

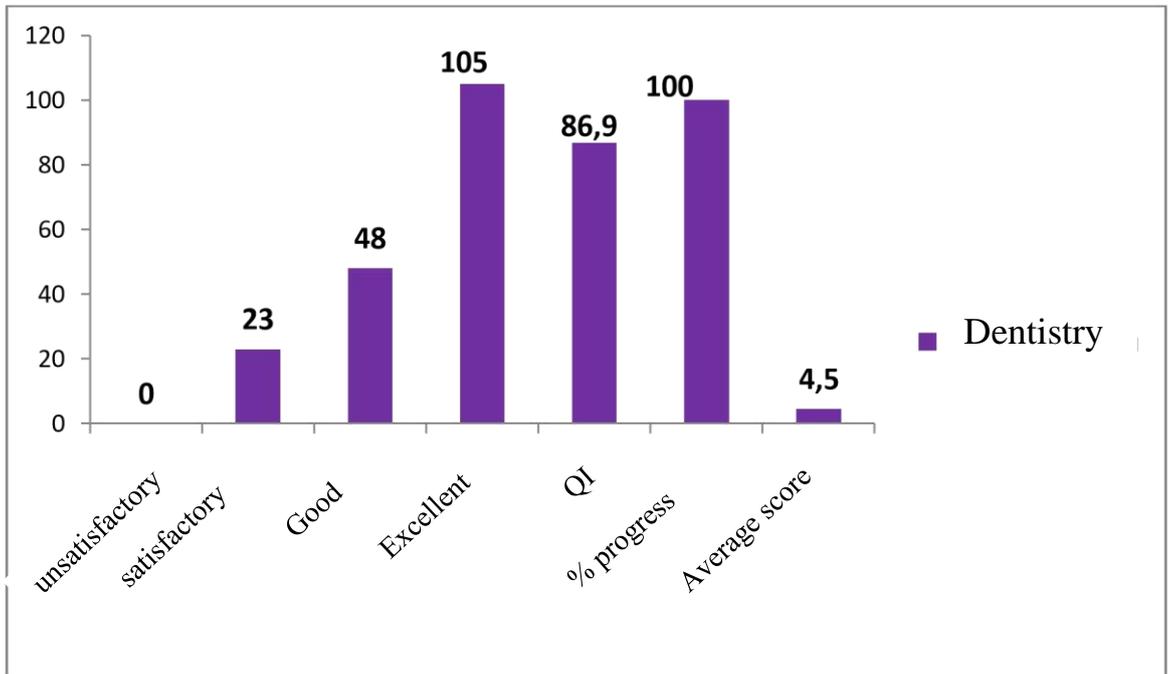


Figure 1. Qualitative and quantitative indicators of knowledge of Dentistry faculty graduates.

23 students passed the «satisfactory» assessment, which accounted for **13%** of the total number of graduates at this faculty.

There were no students who did not pass-the 2nd stage exam (**0 %**).

Thus, students with excellent and good knowledge accounted for 86.9 %, average knowledge of 13.0% of students. Accordingly, the QI was 86.9, the average score was 4.5, and the % academic performance in the faculty was 100 % (fig.).

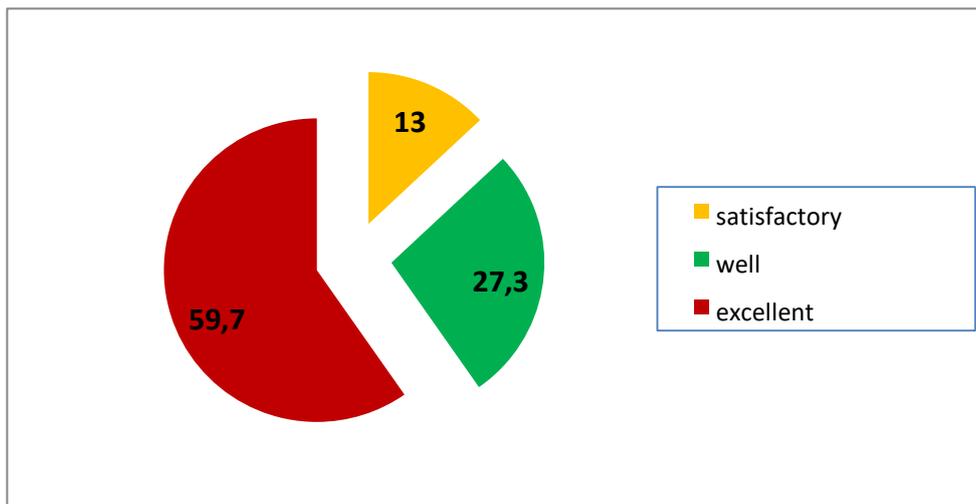


Fig. Qualitative knowledge indicators (%).

## Results of the Faculty of Pharmacy.

In the 2018-19 academic year, 109 students graduated.

The number of students who passed the exam for «excellent» and «good» was 88 students, which is 80.7 %. 40 students passed «excellent» (36.7 % of the total number of students and 45.5 % among graduates with good and excellent academic performance). And 48 students, respectively, passed «good», which was 44 % of the total number of students and 54.5 % among graduates with good and excellent academic performance.

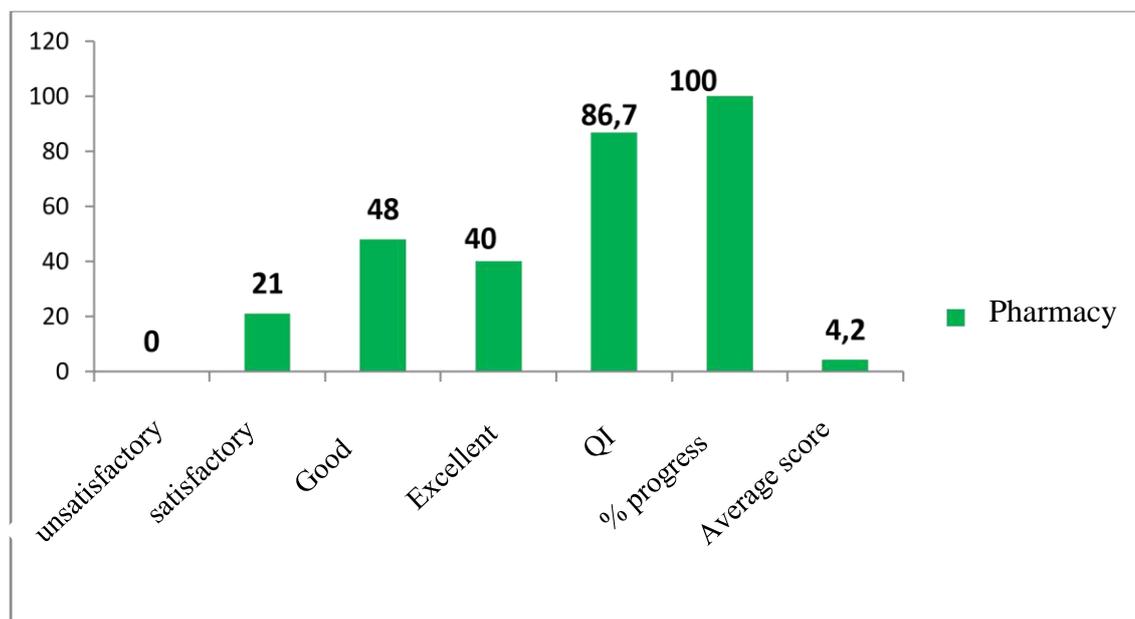


Figure 1. Qualitative and quantitative indicators of knowledge of graduates of the Faculty of Pharmacy.

21 students passed the «satisfactory» assessment, which was 11,9,3% of the total number of graduates at this faculty.

There were no students who did not pass-the 2nd stage exam (0 %).

Thus, students with excellent and good knowledge accounted for 80.7 %, average knowledge of 19.3 % of students. Accordingly, the QI was 80.7, the average score was 4.2, and the % academic performance in the faculty was 100 % (fig.).

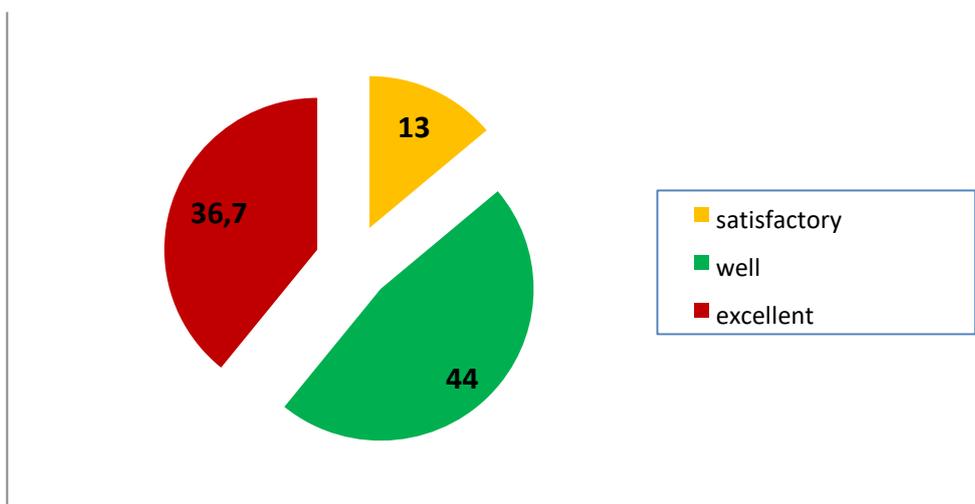


Fig. Qualitative knowledge indicators (%).

**Results of the Faculty of «Medical and Preventive Care».** In the 2018-19 academic year, 68 students graduated.

The number of students who passed the exam for «excellent» and «good» was 59 students, which is 86.8 %. 31 students passed «excellent» (**45.5 %** of the total number of students and 52.5 % among graduates with good and excellent academic performance). And 28 students, respectively, passed «good», which was **41.3 %** of the total number of students and 54.5 % among graduates with good and excellent academic performance.

Students passed the «satisfactory» assessment 9, which accounted for **13.2 %** of the total number of graduates at this faculty.

There were no students who did not pass-the 2nd stage exam (**0 %**).

Thus, students with excellent and good knowledge accounted for 86.8 %, average knowledge of 13.2% of students. Accordingly, the QI was 86.8, the average score was 4.2, and the % academic performance in the faculty was 100 % (fig.).

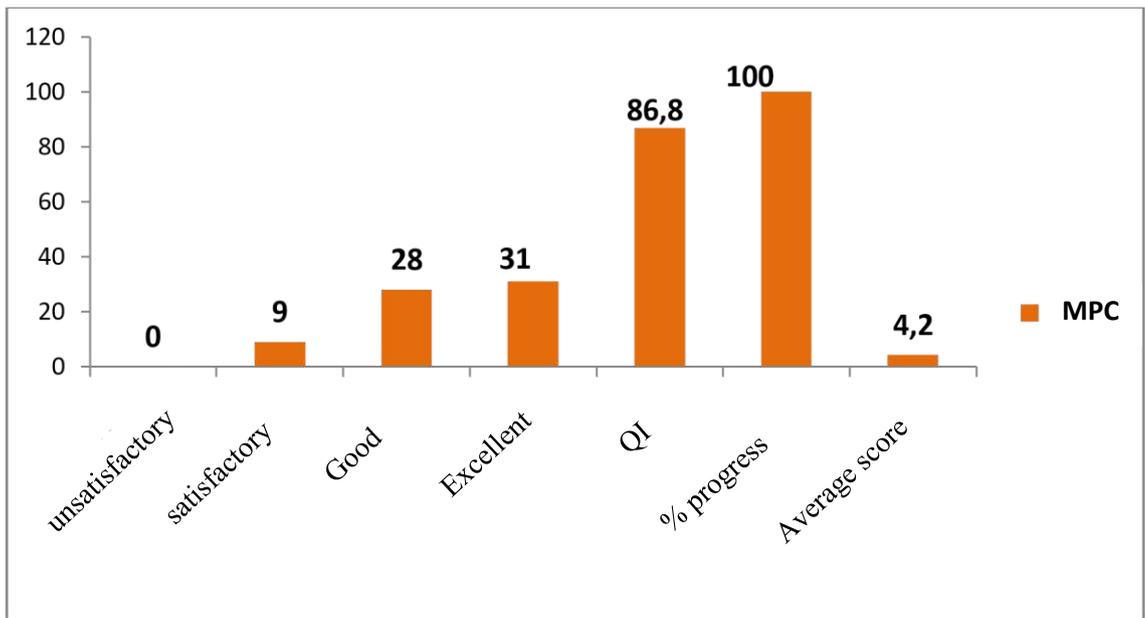


Figure 1. Qualitative and quantitative indicators of knowledge of graduates of the «Medical and Preventive Care» Faculty.

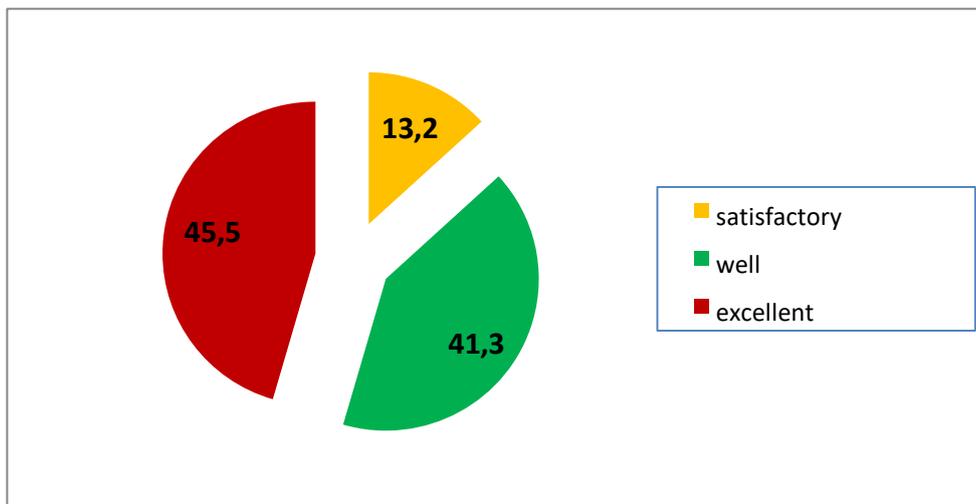


Fig. Qualitative knowledge indicators (%).

### Results for the Faculty of «Higher Nursing Education».

In the 2018-19 academic year, only 10 students graduated.

The number of students who passed the exam for «excellent» and «good» was 10 students, which is 100%. Of these, 9 students (90%) passed the «excellent» exam. Only 1 student passed «good» (10%).

There are no «satisfactory» or «unsatisfactory» ratings.

Thus, students with excellent and good knowledge accounted for 86.8%, average knowledge of 13.2% of students. Accordingly, the QI was 86.8, the average score was 4.2, and the % academic performance in the faculty was 100% (fig.).

## Resume:

A comparative analysis, if we do not take into account the indicators of HNE, shows (Fig.) that 59.7% of graduates of the Faculty of Dentistry occupy a leading position in assessing their knowledge by computer testing of the 2nd stage of the SES. Further, the second position is occupied by the Faculty of General Medicine (57%) and the third faculty – MPC (45.5%), pediatrics and GM for FC (37.5%), and the smallest % for the Faculty of Pharmacy (36.7%).

Knowledge that is rated as "good" is noted by students of GM for FC (45%), the Faculty of Pharmacy takes the second position (44%), and the third – MPC (41.3%), and the lowest result –is for the Faculty of Pediatrics.

The Faculty of Dentistry (1.3%), Pediatrics (1.6%) and Pharmacy (13%) received the least satisfactory grades.

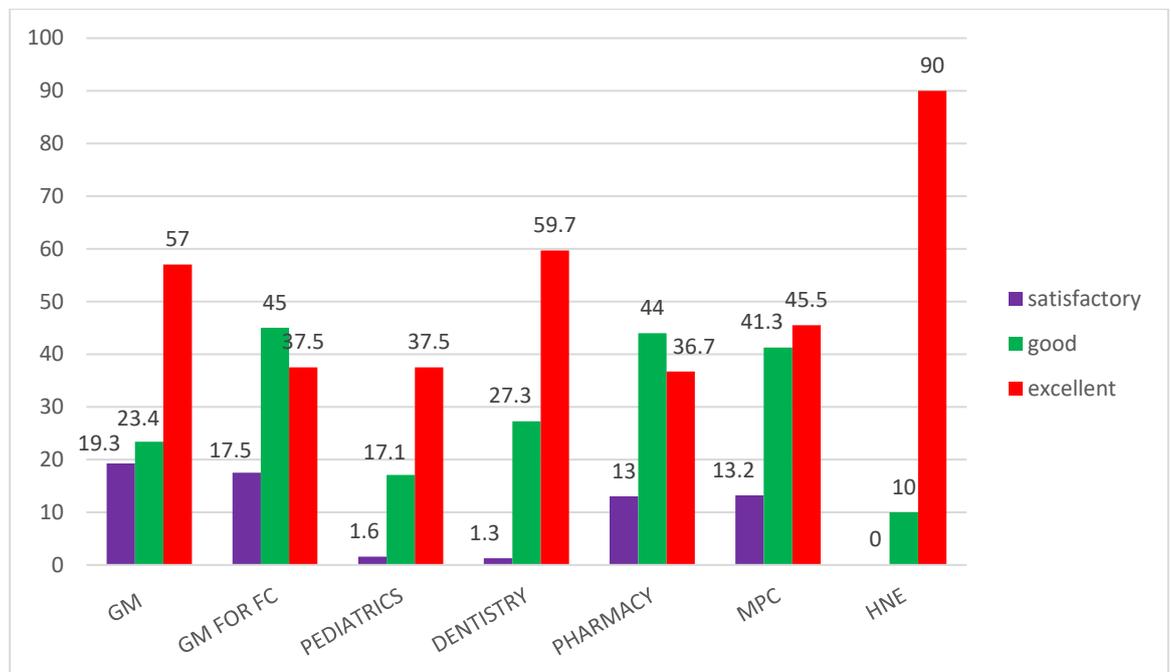


Fig. Indicators of the quality of graduates' knowledge in all faculties (%).

Unsatisfactory grades were obtained in 2 students of the Faculty of GM1 (0.2 % of the share of all graduates of KSMA), and in other faculties this indicator is 0%.

If we compare the indicators of the average score, then the highest score is at the HNE, the Faculty of Pediatrics – 4.8 points and the Faculty of Dentistry-4.5 points, and the Faculty of Pharmacy has the lowest score – 4.2.

CP is the highest among the Faculty of Pediatrics (98.4), Dentistry (86.9) and MPC (86.8).

% of academic performance at all faculties was 100%, except for GM-99.7%.

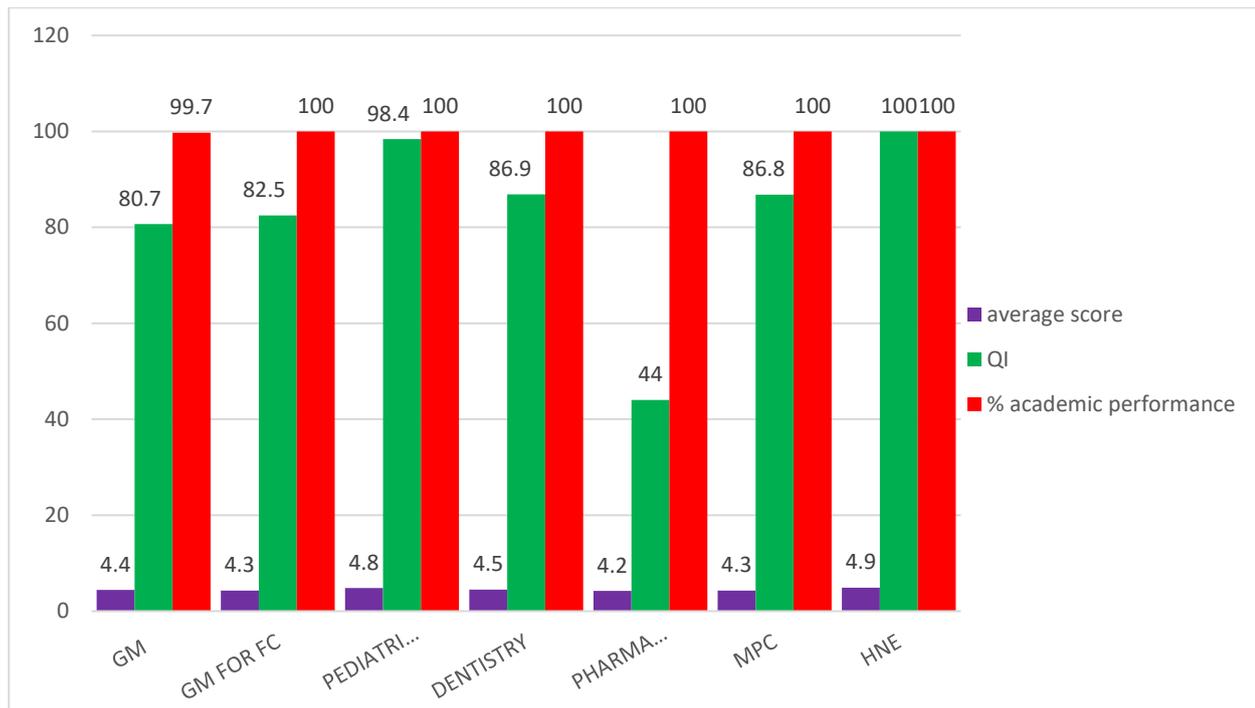


Fig. Indicators of the quality of knowledge of graduates in all faculties (%).