



An Overview of Exam Performance of Internal Medicine Resident

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Objective

- During the 3-years course of Internal Medicine (IM) Residency training, residents are expected to take total of 7 high stake exams which 4 of them are pre-requisite of progression to Senior Residency (SR).
- The study aims to give the IM Residency Programme an overview of the trainee's exams performance and the correlation of passing MRCP exams with SR matching rate and passing American Board of Internal Medicine (ABIM) exam.

Method

We perform a retrospective analysis of the performance of 183 trainees who graduated from the IM Residency training from 2016 to 2019, over the 7 exams, which are MRCP (UK) Part 1, MRCP (UK) Part 2, MRCP (UK) PACES, In-Training Exams (ITE), and American Board of Internal Medicine (ABIM) exam.

Results

- 94.54% of the resident passed MRCP Part 1 at their first attempt and 66.7% of the resident passed their MRCP Part 1 during PGY2.
- 95.08% of the resident passed MRCP Part 2 at their first attempt and 43.72% and 25.68% of the resident passed their MRCP Part 2 during PGY2 and PGY 3 respectively.
- 72.13% of the resident passed MRCP PACES at their first attempt and 54.10% of the resident passed MRCP PACES during PGY3 and PGY4.
- 86.34% of the resident passed MRCP PACES before the SR matching exercise and out of those, 89.24% was successfully matched to a SR programme.
- 13.66% of the resident did not pass MRCP PACES before the SR matching exercise and out of those, 40.00% was not matched to a SR programme.
- Results also show that 86.88% of the resident passed MRCP PACES before taking ABIM and out of those, 96.23% passed their ABIM at first attempt.
- Out of the 13.11% of resident who did not pass MRCP PACES before taking ABIM, 25.00% of them failed the ABIM at first attempt.
- Out of the resident who did not pass ABIM at first attempt, 66.67% were from International Medicine Schools, which is 10.00% of the total sample size that are from the same category.
- Out of the resident who did not pass MRCP PACES before SR matching exercise, 48.00% were from Duke-NUS Medicine School, which is 32.43% of the total sample size that are from the same school.

Conclusion

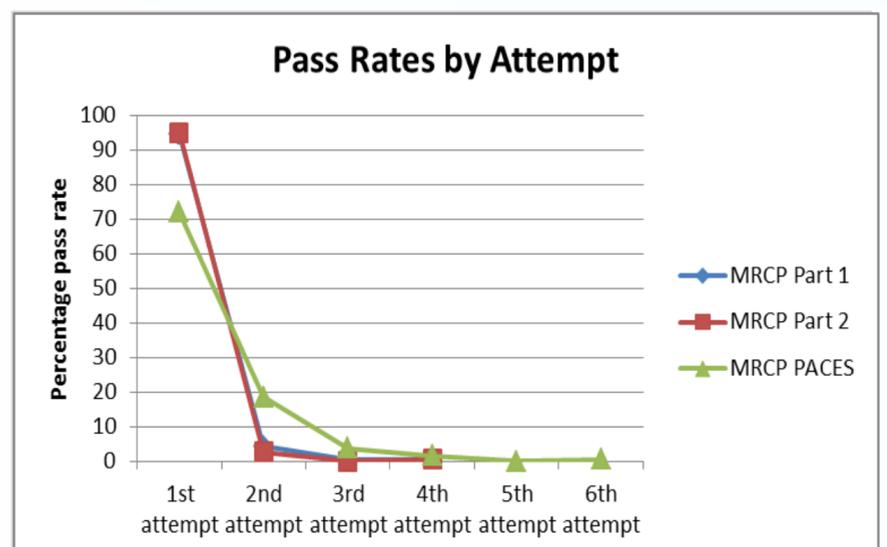


Figure 1: Resident's passing rate by number of attempt

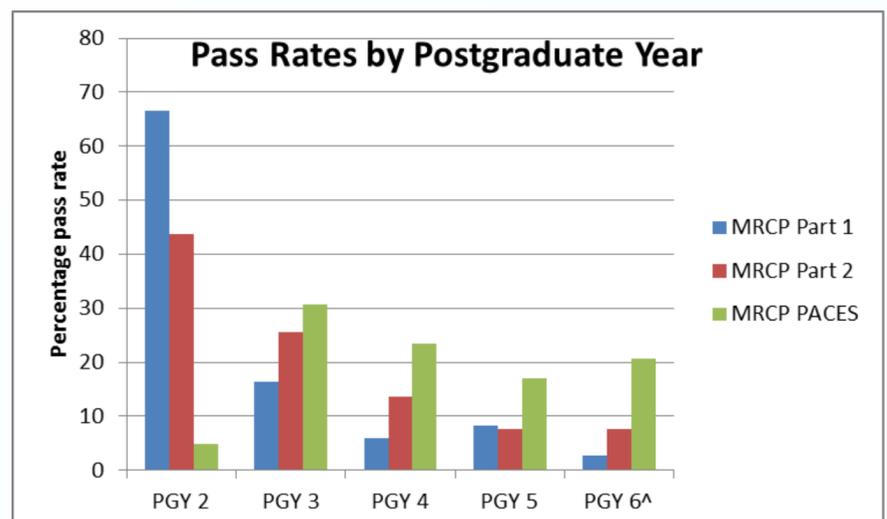


Figure 2: Resident's passing rate by postgraduate year

- Overall, most of the resident passed their MRCP exams (Part 1, Part 2 and PACES) at first attempt. (Figure 1)
- Majority of the residents passed their MRCP Part 1 and Part 2 between PGY2 to PGY4 whereas majority of the residents passed their MRCP PACES between PGY3 to PGY5. (Figure 2)
- Resident who had passed MRCP PACES before SR matching exercise also has a higher chance of passing ABIM and being matched to a SR programme. The scatterplot shows a strong and positive correlation between the performance of PACES and ABIM exams.
- Majority of the resident who did not pass MRCP PACES before SR matching exercise were from Duke-NUS Medicine School whereas majority of the resident who did not pass ABIM at first attempt were from International Medicine Schools.