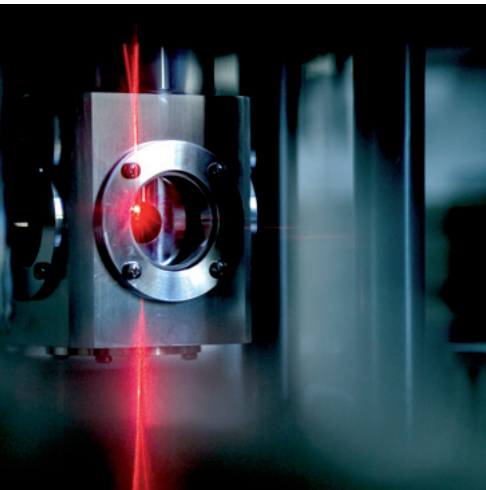




Semmelweis

UNIVERSITY





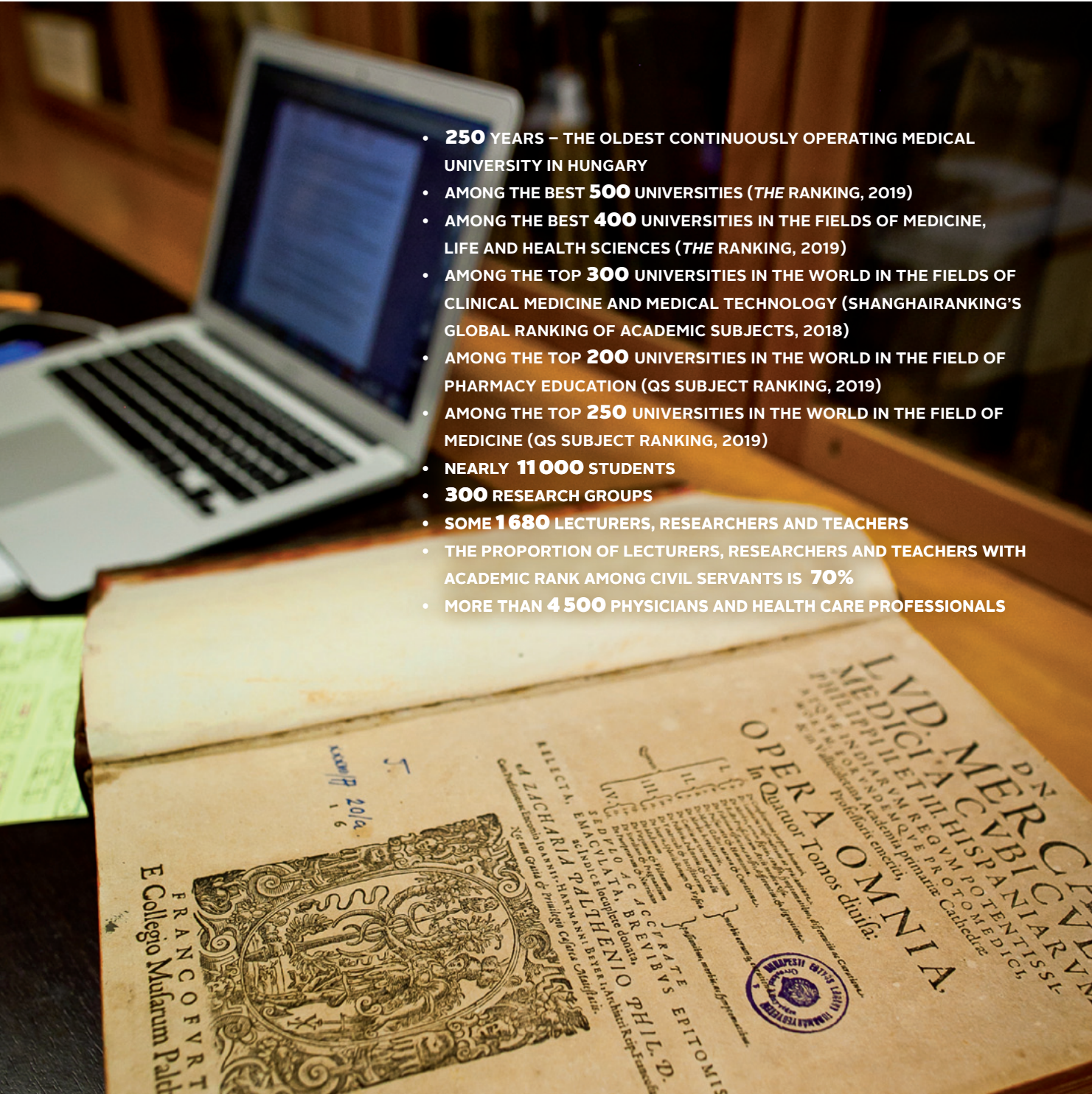
WHY SEMMELWEIS?

250 YEARS OF TRADITION THE 250-YEAR-OLD SEMMELWEIS UNIVERSITY IS THE OLDEST MEDICAL UNIVERSITY IN HUNGARY. ITS HISTORY STARTED IN 1769, WHEN QUEEN MARIA THERESA ADDED A MEDICAL FACULTY TO THE UNIVERSITY OF NAGYSZOMBAT. TODAY, SEMMELWEIS UNIVERSITY, WITH ITS SIX FACULTIES AND HEALTH CARE SPECIALIZATION, OCCUPIES A DISTINGUISHED PLACE IN THE HUNGARIAN HIGHER EDUCATION SYSTEM. BUILT ON THE TRINITY OF EDUCATION, RESEARCH AND PATIENT CARE, IT HAS BECOME AN INTERNATIONALLY RECOGNIZED CENTER OF KNOWLEDGE.

EXCELLENCE IN 2010, SEMMELWEIS UNIVERSITY RECEIVED THE TITLE OF “RESEARCH UNIVERSITY” AND HAS BEEN OPERATING ACCORDING TO ITS STANDARDS SINCE. THIS TITLE IS AWARDED TO HIGHER EDUCATION INSTITUTIONS THAT PROVIDE A HIGH STANDARD OF EDUCATION AND ARE HIGHLY RECOGNIZED BY THE INTERNATIONAL SCIENTIFIC COMMUNITY. IN GLOBAL RANKINGS SEMMELWEIS IS IN THE TOP 2.5 PERCENTILE AMONG THE 28,000 UNIVERSITIES AROUND THE WORLD, MAKING IT ONE OF THE LEADERS IN THE CENTRAL-EASTERN EUROPEAN REGION.

INTERNATIONAL RELATIONS SEMMELWEIS UNIVERSITY IS A PROMINENT PLAYER IN BIOMEDICAL EDUCATION AND RESEARCH ON AN INTERNATIONAL LEVEL. THE UNIVERSITY’S FACULTIES MAINTAIN BILATERAL RELATIONSHIPS IN VARIOUS AREAS OF COOPERATION WITH OVER 200 HIGHER EDUCATION INSTITUTIONS FROM EUROPE, ASIA AND AMERICA, AND THESE INTERNATIONAL PARTNERSHIPS CONTRIBUTE TO THE IMPLEMENTATION OF VARIOUS LARGE-SCALE PROJECTS.

INSPIRATION AND INNOVATION IN ALL ITS ACTIVITIES, SEMMELWEIS UNIVERSITY’S GOAL IS TO KEEP UP WITH INTERNATIONAL TRENDS, TO MAKE THE TECHNOLOGY OF THE FUTURE ACCESSIBLE AND TO CREATE AN INSPIRING ENVIRONMENT THAT SUPPORTS INNOVATION IN THE HEALTH CARE AND PHARMACEUTICAL INDUSTRIES. WE ARE BUILDING A UNIVERSITY THAT TRAINS THE BEST PHYSICIANS AND HEALTH CARE PROFESSIONALS, AND THAT AIMS TO BE AMONG THE WORLD’S TOP 100 UNIVERSITIES, AND ONE OF THE TOP FIVE BEST UNIVERSITIES IN PATIENT CARE IN EUROPE BY 2030.



- **250 YEARS** – THE OLDEST CONTINUOUSLY OPERATING MEDICAL UNIVERSITY IN HUNGARY
- AMONG THE BEST **500** UNIVERSITIES (*THE RANKING*, 2019)
- AMONG THE BEST **400** UNIVERSITIES IN THE FIELDS OF MEDICINE, LIFE AND HEALTH SCIENCES (*THE RANKING*, 2019)
- AMONG THE TOP **300** UNIVERSITIES IN THE WORLD IN THE FIELDS OF CLINICAL MEDICINE AND MEDICAL TECHNOLOGY (SHANGHAIRANKING’S GLOBAL RANKING OF ACADEMIC SUBJECTS, 2018)
- AMONG THE TOP **200** UNIVERSITIES IN THE WORLD IN THE FIELD OF PHARMACY EDUCATION (QS SUBJECT RANKING, 2019)
- AMONG THE TOP **250** UNIVERSITIES IN THE WORLD IN THE FIELD OF MEDICINE (QS SUBJECT RANKING, 2019)
- NEARLY **11000** STUDENTS
- **300** RESEARCH GROUPS
- SOME **1680** LECTURERS, RESEARCHERS AND TEACHERS
- THE PROPORTION OF LECTURERS, RESEARCHERS AND TEACHERS WITH ACADEMIC RANK AMONG CIVIL SERVANTS IS **70%**
- MORE THAN **4500** PHYSICIANS AND HEALTH CARE PROFESSIONALS

EDUCATION, STUDENT LIFE

EDUCATION IN THREE LANGUAGES SEMMELWEIS UNIVERSITY, WHICH OFFERS ONE OF THE MOST POPULAR FOREIGN LANGUAGE PROGRAMS IN THE REGION IN THE FIELD OF MEDICAL SCIENCES, LAUNCHED ITS ENGLISH AND GERMAN LANGUAGE PROGRAMS MORE THAN THREE DECADES AGO. THE UNIVERSITY HAS THE BIGGEST OVER-APPLICATION RATE IN ITS FIELD IN HUNGARY.

MULTICULTURAL ENVIRONMENT MORE THAN 30 PERCENT OF THE NEARLY 11,000 SEMMELWEIS STUDENTS COME FROM ABROAD, REPRESENTING 70 COUNTRIES AND 5 CONTINENTS. THE PROPORTION OF INTERNATIONAL STUDENTS IS THE HIGHEST AMONG STUDENTS OF MEDICINE AND DENTISTRY, REACHING ALMOST 50 PERCENT. PROGRAMS ARE RUN IN HUNGARIAN, ENGLISH AND GERMAN, AND MOST DIPLOMAS ISSUED BY SEMMELWEIS UNIVERSITY ARE OFFICIALLY RECOGNIZED IN THE EUROPEAN UNION AND OTHER COUNTRIES IN THE WORLD. THE UNIVERSITY ALSO HAS TWO OFF-CAMPUS PROGRAMS: A MEDICAL PROGRAM IN HAMBURG, GERMANY AND A PHYSIOTHERAPY PROGRAM IN LUGANO, SWITZERLAND.

TALENT SUPPORT FINDING AND FOSTERING YOUNG TALENTS IS A HIGH PRIORITY AT SEMMELWEIS UNIVERSITY. STUDENTS PARTICIPATING IN THE TEN-YEAR-OLD ÖDÖN KERPEL-FRONIUS TALENT SUPPORT PROGRAM ARE ASSISTED AND GUIDED BY EXCEPTIONAL UNIVERSITY TEACHERS. CURRENTLY NEARLY 1600 STUDENTS GET INVOLVED IN THE SCIENTIFIC WORK OF THE UNIVERSITY THROUGH THEIR RESEARCH ACTIVITIES IN THE STUDENTS’ SCIENTIFIC ASSOCIATION. BOTH PROGRAMS ARE OPEN TO INTERNATIONAL STUDENTS AS WELL.

STUDENT LIFE SEMMELWEIS UNIVERSITY HAS A VIBRANT AND COLORFUL STUDENT LIFE. STUDENTS CAN CHOOSE FROM VARIED EXTRACURRICULAR ACTIVITIES, FROM THE FRESHERS' CAMP THROUGH DIVERSE SPORTS EVENTS TO THE INTERNATIONAL SEMMELWEIS CARNIVAL. THANKS TO THE UNIVERSITY’S EXTENSIVE INTERNATIONAL RELATIONS, A WIDE RANGE OF STUDENT EXCHANGE PROGRAMS ARE AVAILABLE IN EUROPE AND THE REST OF THE WORLD.

SCHOOL OF PHD STUDIES PROFESSIONAL DEVELOPMENT IS FURTHER SUPPORTED BY VARIOUS POSTGRADUATE PROGRAMS. THE SEVEN DOCTORAL SCHOOLS OF THE SCHOOL OF PHD STUDIES OFFER POSTGRADUATE PROGRAMS THAT ARE OF HIGH REPUTATION IN HUNGARY. HUNDREDS OF STUDENTS AND MORE THAN 170 SUPERVISORS ARE INVOLVED IN 43 PHD PROGRAMS.

FACULTY OF MEDICINE

- THE LARGEST FACULTY OF MEDICINE IN HUNGARY – 17 INSTITUTIONS, 21 CLINICS, 7 DEPARTMENTS, 26 DEPARTMENTAL GROUPS
- THE BEST RATIO OF STUDENTS TO EDUCATORS WITH ACADEMIC RANK
- EDUCATION IN HUNGARIAN, ENGLISH, GERMAN, STABLE THEORETICAL KNOWLEDGE, PRACTICE-ORIENTED EDUCATION
- AMONG THE WORLD’S TOP 201-250 IN MEDICAL EDUCATION (QS RANKING, 2019)

FACULTY OF HEALTH AND PUBLIC SERVICES

- A SCIENCE THAT STRADDLES THE BORDERS OF NATURAL AND SOCIAL SCIENCES WITH A MULTIDISCIPLINARY APPROACH
- HUNGARIAN AND INTERNATIONAL COLLABORATIONS, POSTGRADUATE SPECIALIST TRAINING COURSES
- FROM BASIC TO DOCTORAL PROGRAMS
- INNOVATION AND QUALITY IN EDUCATION, RESEARCH AND SPECIALIZED EXPERTISE

FACULTY OF HEALTH SCIENCES

- THE FIRST INSTITUTION IN HUNGARY TO TRAIN HEALTH CARE WORKERS ON A HIGH ACADEMIC LEVEL
- THE LARGEST INSTITUTION OF HEALTH SCIENCES IN HUNGARY
- 5 BSC PROGRAMS AND 2 MSC PROGRAMS IN ENGLISH
- EXTENSIVE INTERNATIONAL COOPERATION IN EDUCATION AND RESEARCH

FACULTY OF DENTISTRY

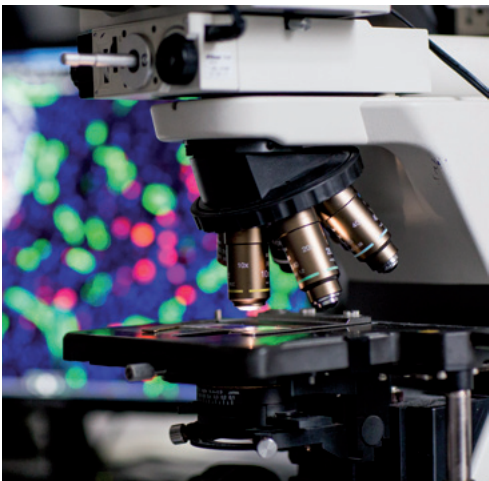
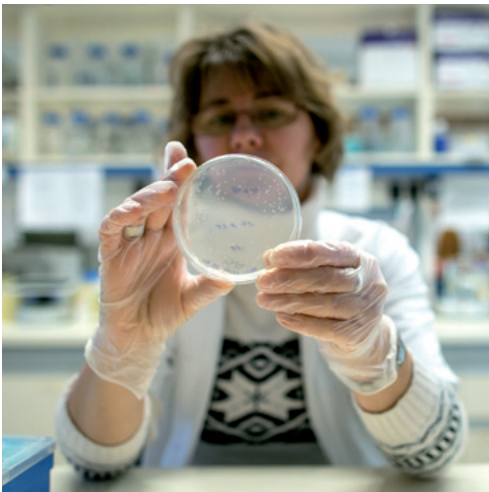
- THE FIRST AND LARGEST FACULTY OF DENTISTRY IN HUNGARY
- INTERNATIONALLY ACCLAIMED TRAINING IN HUNGARIAN, ENGLISH AND GERMAN
- HIGH-MARKET-VALUE UNIVERSITY DEGREE
- HIGH PERCENTAGE OF EDUCATORS WITH ACADEMIC RANK

FACULTY OF PHARMACY

- THE LARGEST AND OLDEST FACULTY OF PHARMACY IN HUNGARY
- AVERAGE STUDENT SCORES IN ENTRANCE EXAMINATIONS ARE AMONG THE HIGHEST
- ONE-OF-A-KIND GERMAN-LANGUAGE PHARMACY PROGRAM IN ADDITION TO ENGLISH PROGRAM
- AMONG THE WORLD’S TOP 200 FACULTIES OF PHARMACY (QS RANKING, 2019)

ANDRÁS PETŐ FACULTY

- THE CRADLE OF CONDUCTIVE PEDAGOGY AND THE WORLD'S ONLY ACCREDITED CONDUCTOR TRAINING INSTITUTION
- IMMEDIATE EMPLOYMENT OPPORTUNITY AFTER GRADUATION
- DEGREE OF HIGH PRESTIGE AND MARKET VALUE, INTERNATIONAL SPECIALIST COURSES
- THEORETICAL AND PRACTICAL EDUCATION INTEGRATING MULTIPLE DISCIPLINES



RESEARCH – DEVELOPMENT – INNOVATION

300 RESEARCH GROUPS AS A HEALTH SCIENCES INSTITUTION, TRANSLATIONAL RESEARCH IS THE PREDOMINANT APPROACH AT SEMMELWEIS UNIVERSITY, BUT THE OBJECTIVE OF THE BASIC RESEARCH BEING CONDUCTED HERE IS ALSO THE UNDERSTANDING AND TREATMENT OF ILLNESSES. ONGOING RESEARCH AT THE UNIVERSITY FOCUSES ON EARLY DIAGNOSTICS AND THERAPY, PREVENTION OF DISEASES, HEALTH PRESERVATION AND HEALTHY AND ACTIVE AGING. CURRENTLY THERE ARE SOME 300 RESEARCH GROUPS AT THE UNIVERSITY WHOSE WORK IS BEING CONDUCTED WITH THE SUPPORT OF OVER 300 NATIONAL AND INTERNATIONAL RESEARCH GRANTS.

OUTSTANDING RESEARCH RESULTS AND INNOVATIVE DEVELOPMENTS BASED ON THE RESULTS OF BIBLIOMETRIC INDICATORS, SEMMELWEIS UNIVERSITY’S PUBLICATION INDEX IS THE MOST PROMINENT AMONG HUNGARIAN HIGHER EDUCATION INSTITUTIONS IN ITS FIELD. IN 2018, THE RESEARCHERS OF THE UNIVERSITY PUBLISHED 304 PAPERS IN THEIR DISCIPLINES IN JOURNALS CLASSIFIED AS BEING IN THE TOP 10 PERCENT BASED ON THE LISTS OF THE SCIMAGO JOURNAL RANK. THERE ARE CURRENTLY 11 RESEARCH GROUPS PARTICIPATING IN THE MOMENTUM PROGRAM, 10 RESEARCH GROUPS WORKING IN COLLABORATION WITH THE HUNGARIAN ACADEMY OF SCIENCES AND 10 OTHERS TAKING PART IN THE HUNGARIAN BRAIN RESEARCH PROGRAM. SEVERAL JOINT RESEARCH AND DEVELOPMENT PROJECTS WITH INDUSTRY PARTNERS, AS WELL AS STARTUP COMPANIES, HAVE BEEN LAUNCHED AT SEMMELWEIS. THE UNIVERSITY IS ALSO THE MEMBER OF HORIZON 2020 CONSORTIA (E.G. HCEMM, EIT HEALTH) AND IS INVOLVED IN THE NATIONAL COMPETITIVENESS AND EXCELLENCE PROGRAMS (E.G. NATIONAL HEART PROGRAM, NATIONAL BIONICS PROGRAM).

MOST IMPORTANT RESEARCH PROJECTS:

- TRANSLATIONAL RESEARCH OF CARDIOVASCULAR AND ONCOLOGICAL DISEASES, DISEASES OF THE CENTRAL NERVOUS SYSTEM AND IMMUNOLOGICAL DISORDERS
- MOLECULAR MARKERS AND MOLECULAR MEDICINE
- THE DEVELOPMENT OF IMAGING PROCEDURES AND DEVICES
- BIO-ENGINEERING AND BIONICS; BIG DATA, E-HEALTH AND M-HEALTH
- PERSONALIZED MEDICINE

PATIENT CARE

TOP-LEVEL SERVICE PROVIDER SEMMELWEIS UNIVERSITY IS THE LARGEST HEALTH CARE PROVIDER OF HUNGARY. THE UNIVERSITY’S CLINICS SERVE AS VENUES FOR PRACTICAL EDUCATION BUT AT THE SAME TIME, THEY OPERATE AS HEALTH CARE INSTITUTIONS OF THE HIGHEST LEVEL. THEY PROVIDE HEALTH CARE SERVICES NOT ONLY REGIONALLY BUT NATION-WIDE AS WELL, THEREFORE THEY PLAY A CRUCIAL ROLE IN TAKING CARE OF PATIENTS WITH THE MOST SEVERE CONDITIONS REQUIRING COMPLEX TREATMENT. MAKING THE APPROPRIATE MEDICAL DIAGNOSIS IS POSSIBLE WITH THE USE OF STATE-OF-THE-ART EQUIPMENT, AND SEVERAL UNIQUE PROCEDURES (E.G. IN CASE OF SOME ORGAN TRANSPLANTATIONS) ARE AVAILABLE ONLY AT SEMMELWEIS UNIVERSITY.

PIONEERING PROCEDURES THE UNIVERSITY’S PATIENT CARE DEPARTMENTS AND CLINICS TREAT PATIENTS IN SEVERAL CLINICAL CENTERS AND NEARLY 40 SEPARATE UNITS. MANY FIRST-TIME PROCEDURES IN HUNGARY WERE CARRIED OUT AT THE UNIVERSITY: THE FIRST RENAL TRANSPLANTATION PROVIDING LONG-TERM SURVIVAL (1973), LIVER TRANSPLANTATION (1995), HEART TRANSPLANTATION (1992), THE IMPLANTATION OF THE FIRST PERMANENT ARTIFICIAL HEART IN HUNGARY (2012), THE FIRST CARDIAC CATHETERIZATION SURGERY (2015), THE FIRST KEYHOLE SURGERY IN CHILDREN BORN WITH ESOPHAGEAL OBSTRUCTION (2016), THE FIRST DIAPHRAGM PACING IMPLANTATION (2018), AS WELL AS THE FIRST RADIOEMBOLIZATION THERAPY FOR TUMORS (2019).

- **NEARLY 40 UNITS INVOLVED IN PATIENT CARE**
- **214 000 OUTPATIENTS EACH MONTH**
- **11 370 INPATIENTS EACH MONTH**
- **2.5 MILLION MEDICAL CASES EVERY YEAR**
- **2120 ACTIVE AND 65 REHABILITATION BEDS**
- **22 400 DAY-PATIENTS EVERY YEAR**





250 YEARS OF EXCELLENCE IN MEDICAL EDUCATION,
RESEARCH & INNOVATION AND HEALTHCARE

SEMMELWEIS UNIVERSITY

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