

Život i djelo prof. dr. sc. Antuna Tucaka, prof. emeritusa, dobitnika zlatne medalje "Aleksandar Blašković" i srebrne povelje "Ljubomir Čečuk"

Prof. dr. sc. Antun Tucak, redoviti sveučilišni profesor u mirovini, dugogodišnji predstojnik Klinike za urologiju Medicinskoga fakulteta Osijek, redoviti član Akademije medicinskih znanosti Hrvatske, rođen je 10. srpnja 1934. godine u Sovićima, Republika Bosna i Hercegovina.

Gimnaziju je završio u Osijeku, a medicinu studirao u Zagrebu, gdje je i diplomirao 1963. godine. Specijalizaciju iz urologije provodio je pod mentorstvom prof. dr. sc. Ruđera Novaka, a specijalistički ispit položio s odličnim uspjehom 1971. godine.

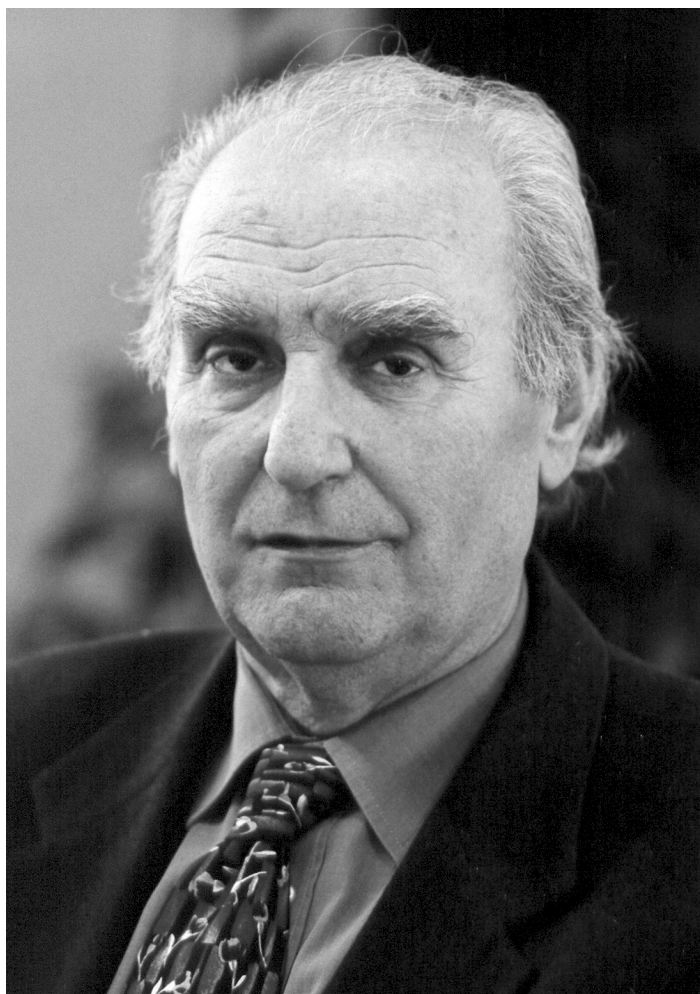
Čitav svoj radni vijek proveo je u Osijeku u Kliničkoj bolnici Osijek na Klinici za urologiju Medicinskoga fakulteta u Zagrebu i Osijeku. Doktorat znanosti pod naslovom "Usporedna klinička i histološka istraživanja pijeloureteralnoga segmenta kod hidronefroze" obranio je na Medicinskom fakultetu Sveučilišta u Zagrebu 1979. godine.

U zvanje docenta izabran je na Medicinskom fakultetu u Zagre-

bu 1984. godine, u zvanje izvanrednoga profesora 1989. godine, a 1999. godine u zvanje redovitoga profesora te 2004. godine u zvanje redovitoga profesora u trajnom zvanju na Sveučilištu Josipa Jurja Strossmayera u Osijeku, Medicinski fakultet Osijek. Godine 2005. dobio je naslov profesora emeritusa Sveučilišta Josipa Jurja Strossmayera u Osijeku.

Za voditelja Odjela za urologiju izabran je 1990. godine, a 1992. osniva Kliniku za urologiju Kliničke bolnice Osijek i postaje prvi predstojnik Klinike, te osnivač i voditelj Referentnoga centra Ministarstva zdravstva iz područja urolitijaze (od 1996. do 2004.).

Utemeljitelj je i dugogodišnji voditelj Znanstvene jedinice za kliničko-medicinska istraživanja Kliničke bolnice Osijek (1980.-2004.), pomoćnik dekana Medicinskoga fakulteta u Zagrebu Područnoga studija Osijek u razdoblju od 1996. do 1998. godine, te osnivač i dekan Medicinskoga fakulteta Sveučilišta Josipa Jurja Strossmayera u Osijeku.



Prof. dr. sc.
Antun Tucak,
prof. emeritus.
Fotoarhiva:
Medicinski vjesnik
Prof. Dr.
Antun Tucak,
Professor Emeritus.
Photo-archives:
Medicinski vjesnik

Osnivač je i voditelj Znanstvenoga poslijediplomskoga studija iz područja biomedicine i zdravstva. Na Medicinskom fakultetu Sveučilišta u Mostaru izabran je 2002. godine u zvanje redovitoga profesora.

Njegovo kliničko i eksperimentalno istraživanje obuhvaća područja urolitijaze, rekonstrukcijske urologije i urološke onkologije. Kao nastavnik Medicinskoga fakulteta u Zagrebu i Medicinskoga fakulteta u Osijeku, te kao predstojnik Klinike za urologiju i voditelj Znanstvene jedinice za kliničko medicinska istraživanja Kliničke bolnice Osijek istakao se svojim pedagoškim, stručnim i organizacijskim radom.

Bio je gostujući profesor na brojnim medicinskim fakultetima u svijetu i kod nas. Pokretač je i glavni urednik znanstveno-stručnoga časopisa Medicinski vijesnik (od 1980. godine).

Osobit je doprinos profesora Antuna Tucaka u osnivanju Kliničke bolnice Osijek.

Znanstveni i stručni rad

Profesor Antun Tucak kontinuirano je bio aktivan u znanstveno-istraživačkom, nastavnom i stručnom radu u okviru Medicinskoga fakulteta Sveučilišta u Zagrebu i Medicinskoga fakulteta Sveučilišta J. J. Strossmayer u Osijeku. Istakao se kao pouzdan i inventivan istraživač, kliničar koji je svoj rad znao razborito procijeniti, pripremiti za praktičnu primjenu kao i za medicinske publikacije.

Objavio je ukupno 203 rada od čega je 125 znanstvenih i 78 sažetaka na međunarodnim i domaćim kongresima. Od ukupno 125 znanstvenih radova 38 objavljeno je u časopisima koji se indeksiraju u Current Contents-u, SCI i Index Medicus-u. Posebno treba naglasiti djelovanje profesora Antuna Tucaka na području rekonstrukcijske urološke kirurgije te urološke onkologije.

Profesor Antun Tucak razvio je na Klinici za urologiju Kliničke bolnice Osijek suvremenu radikalnu kirurgiju u urološkoj onkologiji, radikalnu nefrektomiju, cistektomiju te posebice program dijagnostike karcinoma prostate i radikalnu prostatektomiju kao standardne operativne zahvate. Kroz Referentni centar za urolitijazu Ministarstva zdravstva Republike Hrvatske prvi je u Hrvatskoj razvio nove metode liječenja mokraćnih kamenaca - operativno, endoskopske i ESWL metode liječenja, kojima je u posljednjih 15 godina liječeno preko 9000 bolesnika. Posebnu pozornost dao je rekonstrukcijskoj urološkoj kirurgiji uvodeći nove metode operacija: P-U segmenta, Kock-puch tehnike u zamjeni mokraćnoga mjehura te istraživanja ratnih ozljeda urogenitalnoga sustava. Iz tih područja autor je udžbenika i knjiga: Urolitijaza (1989.), Urološka onkologija (1994.), Rekonstrukcijska urološka kirurgija (1999.), Rekonstruktive Urologische Chirurgie (2002.) te poglavlja u knjigama: Odabrana poglavlja iz urologije (1987.), Problematika raka u primarnoj zdravstvenoj zaštiti (1993.) i Ratne ozljede urogenitalnih organa (1994.). Od 1980. godine do danas voditelj je projekta "Multicentrični program istraživanja urolitijaze u Republici Hrvatskoj" financiranog od strane SIZ-a za znanost i Ministarstva znanosti i tehnologije Republike Hrvatske. Od 1988. do 1995. godine voditelj je EEZ projekta "Metabolic and phychochemical studies underlying the assessment of the risk and the prevention of kidney stone forma-

tion", od 1990. do 1996. godine TEMPUS projekta, financiranog od strane EEZ-a u suradnji s urološkim klinikama u Essenu (Njemačka) i Bruxellesu (Belgija). Od 1989. do danas voditelj je dijela projekta "Rječnik medicinskog, humanog i veterinarskog nazivlja", od 1997. do 2002. godine voditelj projekta "Regulacija staničnog ciklusa kod karcinoma prostate i od 2002. godine voditelj projekta "Određivanje faktora rizika i prevencija stvaranja mokraćnih kamenaca", financiranog od strane Ministarstva znanosti i tehnologije Republike Hrvatske. Od 2006. vodi projekt Ministarstva znanosti obrazovanja i športa "Prevenција stvaranja i recidiva mokraćnih kamenaca". Intenzivno surađuje s poznatim znanstvenicima - prof. dr. sc. R. Hohenfeller (Mainz, Njemačka), prof. dr. sc. D. Kröpfl (Essen, Njemačka), prof. dr. sc. I. Romics (Budimpešta, Mađarska), prof. dr. sc. E. Michalowski (Krakov, Poljska), prof. dr. sc. D. Sabolović (Pariz, Francuska), prof. dr. sc. E. Cvitković (Pariz, Francuska), te prof. dr. sc. H. Füredi-Milhofer (Jeruzalem, Izrael). Tom suradnjom ostvaruje niz stipendija za dugoročno usavršavanje svojih mladih suradnika u vrhunskim svjetskim klinikama i laboratorijima.

Osnivač je i glavni urednik znanstveno-stručnoga časopisa "Medicinski vijesnik" (1980.), te član Uredničkoga odbora časopisa Croatian Medical Journal, Collegium Antropologicum uvrštenih u Current Contents, Anali Zavoda za znanstveni rad u Osijeku HAZU, Libri oncologici, Medicina, Acta Clinica Croatica, Hrvatsko sportsko-medicinski vijesnik i Liječničke novine.

Tijekom dugogodišnjega rada profesor Antun Tucak znanstveno se i stručno usavršavao u poznatim urološkim klinikama u Poljskoj, Njemačkoj, Engleskoj, Danskoj i Australiji.

Doprinos osnutku i razvoju Medicinskoga fakulteta Sveučilišta J. J. Strossmayera u Osijeku te u organizaciji i razvoju znanstveno-istraživačkoga rada

Profesor Antun Tucak 1980. godine osniva prvu regionalnu znanstveno-istraživačku instituciju u medicini: "Znanstvenu jedinicu za kliničko-medicinska istraživanja" i na taj način omogućava znanstvenim djelatnicima da se aktivno uključe u domaće i međunarodne projekte. Također, organizira i izgradnju knjižnice i suvremenoga knjižnično-informacijskoga sustava rada.

Od 1986. godine predsjednik je Inicijativnoga odbora za izgradnju Medicinskoga fakulteta Sveučilišta u Osijeku. Prvu fazu gradnje završio je 1990. godine, a drugu fazu i osnivanje Medicinskoga fakulteta 1998. godine.

Tijekom osnivanja Fakulteta bio je pomoćnik dekana Medicinskoga fakulteta Sveučilišta u Zagrebu za Područni studij u Osijeku u razdoblju od 1996. do 1998. godine. Obavljajući ove poslove, profesor Antun Tucak intenzivno se posvetio osnivanju samostalnoga Medicinskoga fakulteta u Osijeku. Njegovom zaslugom stvoreni su materijalni preduvjeti za rad Fakulteta - dovršenjem zgrade Fakulteta, a sam Fakultet u relativno je kratkom vremenu opremljen potrebnom, suvremenom opremom za početak rada. Istovremeno stvara kadrovske uvjete koji omogućavaju samostalni rad Fakulteta. Intenzivno nastavlja rad na opremanju Fakulteta znanstveno istraživačkom opremom, koja omogućava svim znanstvenicima i studentima uvođenje

novih istraživačkih metoda koje dovode do znanstvenih, nastavnih i stručnih rezultata.

Za istaknuti je značaj osnivanja Zavoda za analizu DNA, Zavoda za stanične elektroforeze, Centra za elektronsku mikroskopiju i Zavoda za mineralni metabolizam. Istovremeno, započinje i izgradnju vivarija i na taj način stvara uvjete za otvaranje znanstvenoga poslijediplomskoga studija u području biomedicine i zdravstva.

Bio je voditelj pri izradi 16 diplomskih radova, 7 magisterija i 2 doktorata znanosti. Zastupao je tezu da u okrilje Fakulteta treba uvesti cjelokupan znanstveni potencijal šire regije koja gravitira Fakultetu, pa je između ostaloga, u tom razdoblju osnovao znanstveno-nastavne baze Medicinskoga fakulteta u Domu zdravlja i Zavodu za javno zdravstvo Osijek, Općoj bolnici Slavonjski Brod i Požega te Specijalnoj bolnici za kardiovaskularnu kirurgiju i kardiologiju "Magdalena" i Specijalnoj bolnici za medicinsku rehabilitaciju u Krapinskim Toplicama, te Općoj bolnici Sveti Duh u Zagrebu. U tim nastavnim bazama te Kliničkoj bolnici Osijek do danas su izabrani u zvanje profesora 24 suradnika te 39 u zvanje docenta.

Osnivanje Klinike, Katedri, Zavoda i Referentnoga centra

Brojni boravci u najpoznatijim svjetskim urološkim klinikama, suradnja, poznanstva i prijateljstvo s vodećim urolozima, pomoglo mu je da sudjeluje u vrhu svjetske urologije, te da zamisli i provede plan razvoja Odjela, a potom i Klinike koju je vodio. Postupno je Kliniku razvio u subspecijalistička područja. Tako je 1988. godine osnovao Centar za urolitijazu, gdje su izvedena, prva u Hrvatskoj, liječenja mokraćnih kamenaca ESWL metodom. Osposobio je Kliniku za kirurške zahvate koji se izvode samo u najvećim svjetskim središtima (rekonstrukcijski urološki zahvati kod idiopatske hidronefroze, Kock-pouch tehnike u zamjeni mokraćnoga mjehura te radikalnu kirurgiju u liječenju karcinoma prostate. Godine 1996. osniva Referentni centar Ministarstva zdravstva iz područja urolitijaze Republike Hrvatske.

Usporedo su se razvijali kliničari i Klinika, struka i znanost. Uveo je znanstveni duh, dobru organizaciju, polet te marljivost i predan rad, dajući svima najbolji primjer, učinivši Kliniku za urologiju jednom od vodećih u ovom dijelu Europe.

Na Medicinskom fakultetu osniva Katedre za urologiju, ratnu medicinu i uvod u znanstveni rad. Godine 2002. osniva na Fakultetu Zavod za mineralni metabolizam. Za vrijeme rukovođenja prof. dr. Antuna Tucaka, Znanstvena jedinica i Medicinski fakultet vodili su 98 znanstvenih projekata. U tim projektima sudjelovalo je preko 70 znanstvenih novaka, od kojih većina nastavlja raditi u znanstvenim institucijama Europe i Amerike.

Organiziranje međunarodnih i domaćih skupova

Profesor Antun Tucak organizirao je 10 međunarodnih znanstvenih skupova koji su održani u Osijeku u razdoblju od 1985. do 2004. godine, a poznati su kao "Osječki urološki dani" i "Sabor svjetskog zbora hrvatskih liječnika", te 26 domaćih

znanstveno stručnih skupova iz područja urologije i športske medicine.

Članstva i aktivnosti u znanstvenim, znanstveno-stručnim, stručnim i profesionalnim udrugama te društvenim tijelima

Član je Hrvatskoga liječničkoga zbora (HLZ) - član Glavnoga odbora i predsjednik Podružnice Osijek, Hrvatskoga urološkoga društva, Hrvatskoga društva za športsku medicinu, Hrvatskoga društva za nefrologiju, dijalizu i transplantaciju, European association of Urology, Societe Internationale d' Urology, ESC - Medical committee, Hrvatskoga društva za kalcificirana tkiva, Deutsche Gesellschaft für Urologie, New York Academy of Sciences, USA, American Urological Association, Svjetskoga zbora hrvatskih liječnika, redoviti član Hrvatske akademije medicinskih znanosti, te član Udruge hrvatskih liječnika dragovoljaca (1990.-1991.), Hrvatskoga društva za nefrologiju, dijalizu i transplantaciju, The International association of Lions Clubs, District Guverner Distrikta 126 - Hrvatska i član Družbe "Braća hrvatskoga zmaja" - pročelnik Zmajskoga stola u Osijeku.

Tijekom dugogodišnjega službovanja obnašao je mnoge funkcije u znanosti: član Predsjedništva i predsjednik SIZ-a za znanstveni rad (1981.-1986.), član Predsjedništva i predsjednik Znanstvenoga vijeća SIZ-a znanosti Republike Hrvatske (1987.-1990.), predsjednik Skupštine Sveučilišta J. J. Strossmayera u Osijeku (1993.-1995.), predsjednik Stručnoga vijeća Kliničke bolnice Osijek (1994.-2003.), član Odbora za dodjelu republičke nagrade Ruder Bošković (1993.-1996.), član Matičnoga povjerenstva za područje biomedicine i zdravstva (od 1993.), član Odbora za podjelu državnih nagrada za znanost (od 2003.). Bio je glavni organizator i predsjedatelj Organizacijskoga odbora za izgradnju Rondela učenika Gimnazije u Osijeku u Perivoju hrvatskih velikana te postavljanja bista biskupa Josipa Jurja Strossmayera i nobelovaca Lavoslava Leopolda Ružičke i Vladimira Preloga u povodu njihovih obljetnica.

Nagrade i priznanja

Dobitnik je niza nagrada i priznanja, plaketa i diploma: Republičke zajednice za znanstveni rad Hrvatske (1986. godine), Plaketa i diploma za doprinos znanstvenom radu Hrvatske akademije medicinskih znanosti (1987.), Diploma Skupštine HLZ-a u znak priznanja za osobit doprinos u njegovanju časne tradicije HLZ-a, medicinske znanosti i zdravstva u Republici Hrvatskoj (1999.), Nagrada Hrvatske akademije znanosti i umjetnosti za područje medicinskih znanosti (2000.), republička nagrada športa "Franjo Bučar" (1994.), Odlikovanje spomenicom Domovinskoga rata 1990.-1992. (1996.), Odlikovanje Reda Danice Hrvatske s likom Katarine Zrinske (1997.), Nagrada "Ladislav Rakovac" (1997.), Pečat grada Osijeka za unapređenje medicinske znanosti (1998.) i Odlikovanje Reda Hrvatskoga trojstva (1999.) te nagrade Osječko-baranjske županije u znak priznanja za životno djelo u području znanosti (2005.).

Kolegij Urološke klinike Kliničke bolnice Osijek

Life and Work of Prof. Dr. Antun Tucak, Professor Emeritus, Recipient of the Gold Medal "Aleksandar Blašković" and the Silver Plaque and Charter "Ljubomir Čečuk"

Prof. Dr. Antun Tucak, retired university full professor, for many years Head of the Urology Clinic of the Faculty of Medicine in Osijek, was born on July, the 10th, 1934 in Sovići, Republic of Bosnia and Herzegovina.

He finished the Grammar School in Osijek, and studied medicine in Zagreb, where he graduated in 1963. He did his specialization in urology under the mentorship of Professor Ruđer Novak, and passed his specialist exam with excellent grade in the year 1971.

He spent his entire work career in Osijek, at the University Hospital Osijek, Clinic for Urology of the Faculty of Medicine in Zagreb and Osijek. In the year 1979 at the University of Zagreb, Faculty of Medicine he defended his doctoral dissertation under the title: "Parallel Clinical and Histological Research of Pyeloureteral Segment in Hydronephrosis"/"Usporedna klinička i histološka istraživanja pijeloureteralnoga segmenta kod hidronefroze".

He was elected Assistant Professor at the Faculty of Medicine in Zagreb in 1984, in the year 1989 he was elected Associate Professor, in 1999 - Full Professor, and in the year 2004 he was elected Full Professor in tenure at Josip Juraj Strossmayer University of Osijek, Faculty of Medicine Osijek. In the year 2005 he was awarded the title of Professor Emeritus of Josip Juraj Strossmayer University of Osijek.

He became Head of the Department of Urology in 1990, and in 1992 he founded the Clinic for Urology at the University Hospital Osijek and was elected the first Head of the Clinic. At the same time he founded and headed the Reference Center of the Ministry of Health for urolithiasis (1996-2004).

Professor Tucak is also the founder and for many years the Head of the Scientific Unit for Clinical and Medical Research of the University Hospital Osijek (1980-2004), Assistant to the Dean of the Faculty of Medicine in Zagreb - Satellite Studies in Osijek in the period between 1996 and 1998, and moreover, the founder and the first Dean of Josip Juraj Strossmayer University of Osijek, Faculty of Medicine Osijek.

He is the founder and the Head of the Scientific Postgraduate Study in Biomedicine and Health. At the University of Mostar, Faculty of Medicine he was elected Full Professor in the year 2002.

His clinical and experimental research comprises the fields of urolithiasis, reconstructive urology and urologic oncology. As a member of the academic staff at the Faculties of Medicine in Zagreb and Osijek, as the Head of the Clinic of Urology and Head of the Scientific Unit for Clinical and Medical Research of

the University Hospital Osijek, he is known for his educational and professional work, as well as organizational skills.

Professor Tucak was the visiting professor at many faculties of medicine, both in Croatia and abroad. He is initiator and the editor-in-chief of the scientific and professional journal Medicinski Vjesnik (since 1980).

Professor Tucak is well-known for his significant contribution to foundation of the University Hospital Osijek.

Scientific and Professional Work

Professor Antun Tucak was with continuity active in scientific and research, teaching and professional work within the framework of the University of Zagreb, Faculty of Medicine and Josip Juraj Strossmayer University of Osijek, Faculty of Medicine. He stood out as a reliable and inventive researcher and clinician, who knew how to evaluate his work reasonably, how to prepare it for practical application, as well as for medical publications.

He published a total of 203 papers, out of which 125 scientific and 78 abstracts at national and international congresses. Out of the total of 125 scientific papers, there were 38 published in the journals indexed in Current Contents, SCI and Index Medicus. It is necessary to emphasize in particular the work of Professor Tucak in the field of reconstructive urological surgery and urologic oncology.

At the Urology Clinic of the University Hospital Osijek Professor Antun Tucak has developed modern radical surgery in urologic oncology, radical nephrectomy, cystectomy, and especially program of prostate carcinoma diagnostics and radical prostatectomy as standard surgical procedures. Through the Reference Center for Urolithiasis of the Ministry of Health of the Republic of Croatia he was the first in Croatia to develop new methods of treating urinary stones - surgically, endoscopic and ESWL methods of treatment, by means of which there were over 9000 patients treated in the past 15 years. He paid special attention to reconstructive urological surgery introducing new methods of surgeries: P-U segment, Kock-pouch technique in replacing the urinary bladder, as well as research on war injuries of the urogenital system. He is the author of the following textbooks and books from those fields: Urolitijaza /Urolithiasis/ (1989), Urološka onkologija /Urologic Oncology/ (1994), Rekonstrukcijska urološka kirurgija /Reconstructive Urological Surgery/ (1999), Rekonstruktive Urologische Chirurgie /Reconstructive Urological Surgery in German/ (2002), as well the author of the chapters in books: Odabrana poglavlja iz urologije /Selected Chapters from Urology/ (1987), Problematika raka u primarnoj zdravstvenoj zaštiti /Cancer Problems in the Primary Health Care/ (1993) and Ratne ozljede urogenitalnih organa /War

Injuries of Urogenital Organs/ (1994). From the year 1980 up to now he has been the Head of the project "Multicentrični program istraživanja urolitijaze u Republici Hrvatskoj"/"Multicentric Program of Urolithiasis Research in the Republic of Croatia", financed by the former SIZ for Science (in the former Yugoslavia) and Ministry of the Science and Technology of the Republic of Croatia. From 1988 to 1995 he is the Head of the EEC project "Metabolic and Physico-Chemical Studies Underlying the Assessment of the Risk and the Prevention of Kidney Stone Formation", and from 1990 to 1996 Head of the TEMPUS project financed by the EEC in cooperation with the Urology Clinics in Essen (Germany) and Brussels (Belgium). From the year 1989 up to now he has been the Head of the part of the project "Rječnik medicinskog, humanog i veterinarskog nazivlja"/"Dictionary of Medical, Humane and Veterinary Terms", from 1997 to 2002 Head of the project "Regulacija staničnog ciklusa kod karcinoma prostate"/"Regulation of the Cell Cycle in Prostate Carcinoma" and since the year 2002 Head of the project "Određivanje faktora rizika i prevencija stvaranja mokraćnih kamenaca"/"Determination of Risk Factors and Prevention of Urinary Stone Formation", financed by the Ministry of Science and Technology of the Republic of Croatia. Since the year 2006 he is managing the project of the Ministry of Science, Education and Sports "Prevenција stvaranja i recidiva mokraćnih kamenaca"/"Prevention of Formation and Recurrence of Urinary Stones". He intensively collaborates with famous scientists - Prof. Dr. R. Hohenfellner (Mainz, Germany), Prof. Dr. D. Kröpfl (Essen, Germany), Prof. Dr. I. Romics (Budapest, Hungary), Prof. Dr. E. Michalowski (Krakow, Poland), Prof. dr. D. Sabolović (Paris, France), Prof. Dr. E. Cvitković (Paris, France), and Prof. Dr. H. Füredi-Milhofer (Jerusalem, Israel). With this cooperation he provides a great number of scholarships/grants for long-term training of his young associates in the world best clinics and laboratories.

He is the founder and the editor-in-chief of the scientific and professional journal *Medicinski Vjesnik* (1980), as well as the member of the Editorial Board of the Croatian Medical Journal and *Collegium Antropologicum* (both indexed in Current Contents), *Anali Zavoda za znanstveni rad u Osijeku HAZU* (Annals of the Institute for Scientific Work in Osijek, Croatian Academy of Sciences and Arts), *Libri oncologici*, *Medicina*, *Acta Clinica Croatica*, *Hrvatsko sportsko-medicinski vjesnik* (Croatian Sports and Medicine Journal) and *Liječničke novine*.

During many years of his work Professor Antun Tucak has attended scientific and professional training at renowned urology clinics in Poland, Germany, England, Denmark and Australia.

Contribution to the Foundation and Development of Josip Juraj Strossmayer University of Osijek, Faculty of Medicine, as well as to the Organization and Development of Scientific and Research Work

In the year 1980 Professor Antun Tucak had founded the first regional scientific and research institution in medicine: "Scientific Unit for Clinical and Medical Research" and in that way ensured scientific staff to participate actively in national and international projects. Moreover, he also organized building of library and introduction of modern librarian and information system of work.

From the year 1986 he was the President of the Preparatory Committee for Building of the University of Osijek, Faculty of Medicine. The first construction phase was ended in 1990, and the second phase, along with the foundation of the Faculty of Medicine, was ended in the year 1998.

During the process of Faculty foundation he was Assistant to the Dean of the University of Zagreb, Faculty of Medicine - Satellite Studies in Osijek in the period from 1996 to 1998. By conducting the above mentioned affairs, Professor Antun Tucak has dedicated himself intensively to the foundation of the independent Faculty of Medicine in Osijek. Owing to his efforts, the material prerequisites for the functioning of the Faculty were created - by finishing the construction of the building; and the Faculty itself was equipped with modern equipment necessary for the beginning of the Faculty's functioning in relatively short period of time. At the same time, he fulfilled personnel conditions which were necessary for independent work of the Faculty. He intensively continued his activities on supplying the Faculty with scientific and research equipment, in that way enabling all scientists and students to introduce new research methods, which can produce scientific, teaching and professional results.

We must also emphasize the importance of establishing of the Institute for DNA Analysis, Institute for Cell Electrophoresis, Center for Electronic Microscopy and Institute for Mineral Metabolism. At the same time, Professor Tucak started the construction of the Vivarium and in that way met the conditions necessary for the opening of the Scientific Postgraduate Study in Biomedicine and Health.

Professor Tucak was the mentor in creation of 16 graduation theses, 7 master's theses and 2 doctoral dissertations. He represented a view that the entire scientific potential of the broader region gravitating toward the Faculty should be adopted to the Faculty's fold. Having that in mind, he set up scientific and teaching bases of the Faculty of Medicine in Osijek - Community Health Center and Institute for Public Health in Osijek, General Hospital in Slavonski Brod and Požega, Special Hospital for Cardiovascular Surgery and Cardiology "Magdalena" and Special Hospital for Medical Rehabilitation in Krapinske Toplice, as well as General Hospital "Sveti Duh" in Zagreb. Up to the present day, in those teaching bases and in the University Hospital Osijek there are 24 associates who have been elected Professors and 39 - Assistant Professors.

Setting up the Clinic, Faculty Departments, Institutes and Reference Center

Many stays in the most renowned world urology clinics, cooperation, acquaintances and friendship with leading urologists, have helped him stay at the top of the world urology, and to both envisage and implement the plan of Department, later on Clinic development. He had been gradually developing subspecialist area at the Clinic. Following this line of reasoning, in the year 1988 he founded the Center for Urolithiasis, the place where for the first time in Croatia ESWL method treatments of urinary stones were conducted. He provided opportunity for complex surgical procedures done only in the greatest world centers to be performed at the Urology Clinic (reconstructive urological procedures in cases of idiopathic hydronephrosis, Kock-pouch techniques in replacement of urinary bladder, as well as radical sur-

gery in treatment of prostate carcinoma). In the year 1996 he founded the Reference Center of the Ministry of Health of the Republic of Croatia for urolithiasis.

The clinicians and the clinic, profession and science have been developing parallelly. Professor Tucak introduced the scientific spirit, good organization, enthusiasm, as well as diligence and dedicated work, setting the best example to all, establishing the Urology Clinic into one of the leading urology clinics in this part of Europe.

At the Faculty of Medicine he set up the following Departments: Department of Urology, War Medicine and Introduction to Scientific Work. In the year 2002 he established the Institute for Mineral Metabolism at the Faculty of Medicine. During the management of Professor Tucak, the Scientific Unit and the Faculty of Medicine have lead 98 scientific projects. Over 70 junior researchers had participated in those projects; the majority of those junior researchers continued their work at European and American scientific institutions.

Organization of National and International Meetings/Congresses

Professor Antun Tucak has organized 10 international scientific meetings/congresses which were held in Osijek in the period from 1985 to 2004, and were known under the title "Osječki urološki dani"/"Osijek Urological Days" and "Sabor svjetskog zbora hrvatskih liječnika"/ "Congress of the World Association of Croatian Physicians", as well as 26 national scientific and professional meetings in the field of urology and sports medicine.

Memberships and Activities in Scientific, Scientific and Professional and Professional Associations, as well as Public Associations

Professor Tucak is a member of the Croatian Medical Association (HLZ) - member of the Management Board and the President of Osijek Branch, member of the Croatian Society for Urology, Croatian Society for Sports Medicine, Croatian Society for Nephrology, Dialysis and Transplantation, European Association of Urology, Société Internationale d'Urologie, ESC - Medical Committee, Croatian Society for Calcified Tissues, Deutsche Gesellschaft für Urologie, New York Academy of Sciences, USA, American Urological Association, World Association of Croatian Physicians, Full Member of the Croatian Academy of Sciences and Arts, as well as a member of Association of Croatian Physicians Volunteers (1990-1991), The International Association of LIONS Clubs - Governor of the District 126 - Croatia and member of the Society "Brothers of the Croatian Dragon"/Družba "Braća hrvatskoga zmaja" - head of the Zmajski stol in Osijek.

During his long period of service, he has filled many posts in science: member of the Presidency and President of the former SIZ for Scientific Work (1981-1986), member of the Presidency and President of the Scientific Council of the former SIZ for Science (1987-1990), President of the Council of Josip Juraj Strossmayer University of Osijek (1993-1995), President of the Professional Board of the University Hospital Osijek (1994-2003), Member of the Committee for Awarding the Republic Award "Ruder Bošković"(1993-1996), Member of the Committee for

Election Procedures for Biomedicine and Health (since 1993), Member of the Committee for Awarding the State Award for Science (since 2003). He was the principle organizer and President of the Organizing Committee for construction of the Rondell of Osijek Grammar School Students in the Allée of Croatia's Great Men, as well as erecting the busts of the Bishop Josip Juraj Strossmayer and Nobel Prize winners Lavoslav Leopold Ružička and Vladimir Prelog, on the occasion of their anniversaries.

Awards and Certificates of Merits

He was the recipient of many awards and certificates of merits, plaques and diplomas: of the Republic Community for the Scientific Work in Croatia (1986), Plaque and Diploma for Contribution to Scientific Work of the Croatian Academy of Sciences and Arts (1987), Diploma of the Council of Croatian Medical Association (HLZ), acknowledging the special contribution to fostering of HLZ's tradition of honor, medical science and health in the Republic of Croatia (1999), Award of the Croatian Academy of Sciences and Arts for Medical Sciences (2000), Republic Sports Award "Franjo Bučar" (1994), Certificate of Participation in the Homeland War 1990-1992 (1996), Decoration: The Order of Danica Hrvatska with the Image of Katarina Zrinska (1997), "Ladislav Rakovac" Award (1997), Seal of the City of Osijek for Promotion of Medical Science (1998), Decoration: The Order of Croatian Trefoil (1999), as well as the Award of Osijek-Baranja County for Life Achievement in Science (2005).

Board of the Urology Clinic
(University Hospital Osijek)