

Stanford



Ralph Rabkin

Professor of Medicine, Emeritus

Medicine - Nephrology

NIH Biosketch available Online

Resume available Online

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Medicine - Nephrology
- Member, Cardiovascular Institute

HONORS AND AWARDS

- Glaxo-Allenbury Award for Research in Endocrinology and Metabolism, Glaxo-Allenbury Award (1969)
- Kidney Research Award, 1974 Charlotte Roberts Trust Fund (1974)
- Fellow, Royal College of Physicians and Surgeons, Royal College of Physicians and Surgeons, Glasgow (1982)
- Member, American Society of Clinical Investigators, American Society of Clinical Investigators (1982)
- Training Award, Juvenile Diabetes Foundation International (1989)
- Fellow, American Heart Association (2003)

PROFESSIONAL EDUCATION

- MB. MBCHB, University Cape Town , Medicine (1960)
- MD, University Witwatersrand , Medicine (1975)

LINKS

- Medicine:Nephrology: <http://med.stanford.edu/nephrology/research/faculty.html#>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am an Active Emeritus Professor Medicine/ Nephrology at Stanford University. I began my long career in investigative medicine over 40 years ago. My first major contribution was one of the earliest randomized clinical trials evaluating beta-blockade for angina (Rabkin R et al. The prophylactic value of propranolol in angina pectoris. Am J Cardiol. 1966;18:370-83.). Moving from clinical investigation, (e.g. The effect of renal disease on the renal uptake and excretion of insulin in man. Rabkin R et al, NEJM, 1970, 282:182-187), my research became more basic orientated and focused on the renal metabolism of peptide hormones (Factors influencing the handling of insulin by the isolated rat kidney. Rabkin, R. and A.E. Kitabchi. J. Clin. Invest. 1978, 61:169-175. The handling of immunoreactive vasopressin by the isolated perfused rat kidney. Rabkin, R et al. J. Clin. Invest. 1979. 63:6-13). More recently I have focused on the mechanisms accounting for the resistance to growth hormone, insulin-like growth factor-1 and amino acids in uremia to explain their role in the impaired body growth and muscle wasting that is common in chronic kidney disease (CKD) (Schaefer F, Chen Y, Tsao T, Nouri P, and Rabkin R. (2001). Impaired JAK-STAT signal transduction contributes to growth hormone resistance in chronic uremia. J Clin Invest 108: 467-475) Chen Y, Sood S, McIntire K, Roth R, Rabkin R. Leucine stimulated mTOR signaling is partly attenuated in skeletal muscle

of chronically uremic rats especially when work overloaded. American Journal of Physiology. Endocrinology and metabolism. (2011) 301, E873-871. Intrigued by my findings in rats with CKD, that exercise can correct some of the skeletal muscle abnormalities in signal transduction and IGF-1 and myostatin gene expression, I have been motivated to go from the bench to the bedside, and have brought together an outstanding group of clinical investigators with expertise in exercise rehabilitation as well as clinical trials in CKD patients and together we are embarking on a 4 year VA Merit Review Funded study "Exercise to Prevent Muscle Mass and Functional Loss in Elderly Dialysis Patients".

CLINICAL TRIALS

- Exercise to Prevent Muscle Mass and Functional Loss in Elderly Dialysis Patients, Recruiting
- Testosterone Replacement Therapy in Advanced Chronic Kidney Disease, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

Publications

PUBLICATIONS

- **SOCS2 Silencing Improves Somatic Growth without Worsening Kidney Function in CKD.** *American journal of nephrology*
Landau, D. n., Assadi, M. H., Abu Hilal, R. n., Chen, Y. n., Rabkin, R. n., Segev, Y. n.
2020; 1–7
- **A randomized controlled trial of exercise to prevent muscle mass and functional loss in elderly hemodialysis patients: Rationale, study design, and baseline sample.** *Contemporary clinical trials communications*
Chan, K. N., Chen, Y. n., Lit, Y. n., Massaband, P. n., Kiratli, J. n., Rabkin, R. n., Myers, J. N.
2019; 15: 100365
- **Prehabilitation for Kidney Transplant Candidates: Is it Time?** *Clinical transplantation*
Cheng, X. S., Myers, J. N., Chertow, G. M., Rabkin, R., Chan, K. N., Chen, Y., Tan, J. C.
2017
- **Endurance exercise and growth hormone improve bone formation in young and growth-retarded chronic kidney disease rats.** *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*
Troib, A., Guterman, M., Rabkin, R., Landau, D., Segev, Y.
2016; 31 (8): 1270-1279
- **Impaired renal growth hormone JAK/STAT5 signaling in chronic kidney disease.** *Nephrology, dialysis, transplantation : official publication of the European Dialysis and Transplant Association - European Renal Association*
Wiezel, D., Assadi, M. H., Landau, D., Troib, A., Kachko, L., Rabkin, R., Segev, Y.
2014; 29 (4): 791-799
- **Acute uremia suppresses leucine-induced signal transduction in skeletal muscle.** *Kidney international*
McIntire, K. L., Chen, Y., Sood, S., Rabkin, R.
2014; 85 (2): 374-382
- **Acute Acidosis Attenuates Leucine Stimulated Signal Transduction and Protein Synthesis in Rat Skeletal Muscle** *AMERICAN JOURNAL OF NEPHROLOGY*
Sood, S., Chen, Y., McIntire, K., Rabkin, R.
2014; 40 (4): 362-370
- **Acute acidosis attenuates leucine stimulated signal transduction and protein synthesis in rat skeletal muscle.** *American journal of nephrology*
Sood, S., Chen, Y., McIntire, K., Rabkin, R.
2014; 40 (4): 362-370
- **Epiphyseal growth plate growth hormone receptor signaling is decreased in chronic kidney disease-related growth retardation.** *Kidney international*

- Troib, A., Landau, D., Kachko, L., Rabkin, R., Segev, Y.
2013; 84 (5): 940-949
- **Leucine-stimulated mTOR signaling is partly attenuated in skeletal muscle of chronically uremic rats** *AMERICAN JOURNAL OF PHYSIOLOGY-ENDOCRINOLOGY AND METABOLISM*
Chen, Y., Sood, S., McIntire, K., Roth, R., Rabkin, R.
2011; 301 (5): E873-E881
 - **The effects of type 1 IGF receptor inhibition in a mouse model of diabetic kidney disease** *GROWTH HORMONE & IGF RESEARCH*
Troib, A., Landau, D., Youngren, J. F., Kachko, L., Rabkin, R., Segev, Y.
2011; 21 (5): 285-291
 - **A marked deficiency in circulating and renal IGF-I peptide does not inhibit compensatory renal enlargement in uninephrectomized mice** *GROWTH HORMONE & IGF RESEARCH*
Landau, D., Biada, J., Chen, Y., Sood, S., Yakar, S., LeRoith, D., Segev, Y., Rabkin, R.
2011; 21 (5): 279-284
 - **Uremia attenuates growth hormone-stimulated insulin-like growth factor-1 expression, a process worsened by inflammation** *KIDNEY INTERNATIONAL*
Chen, Y., Biada, J., Sood, S., Rabkin, R.
2010; 78 (1): 89-95
 - **Endotoxin-Induced Growth Hormone Resistance in Skeletal Muscle** *ENDOCRINOLOGY*
Chen, Y., Sood, S., Krishnamurthy, V. M., Rotwein, P., Rabkin, R.
2009; 150 (8): 3620-3626
 - **Increased renal Akt/mTOR and MAPK signaling in type I diabetes in the absence of IGF type 1 receptor activation** *ENDOCRINE*
Landau, D., Eshet, R., Troib, A., Gurman, Y., Chen, Y., Rabkin, R., Segev, Y.
2009; 36 (1): 126-134
 - **Low-dose growth hormone is cardioprotective in uremia** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Rabkin, R., Awwad, I., Chen, Y., Ashley, E. A., Sun, D., Sood, S., Clusin, W., Heidenreich, P., Piecha, G., Gross, M.
2008; 19 (9): 1774-1783
 - **Increased workload fully activates the blunted IRS-1/PI3-kinase/Akt signaling pathway in atrophied uremic muscle** *KIDNEY INTERNATIONAL*
Chen, Y., Sood, S., Biada, J., Roth, R., Rabkin, R.
2008; 73 (7): 848-855
 - **Growth hormone treatment prevents osteoporosis in uremic rats** *HISTOLOGY AND HISTOPATHOLOGY*
Berger, I., Piecha, G., Rabkin, R., Kaya, N., Geldyyev, A., Sun, D., Chen, Y., Koleganova, N., Gross, M.
2007; 22 (11): 1231-1239
 - **Endotoxin attenuates growth hormone-induced hepatic insulin-like growth factor I expression by inhibiting JAK2/STAT5 signal transduction and STAT5b DNA binding** *AMERICAN JOURNAL OF PHYSIOLOGY-ENDOCRINOLOGY AND METABOLISM*
Chen, Y., Sun, D., Krishnamurthy, V. M., Rabkin, R.
2007; 292 (6): E1856-E1862
 - **Protective effect of low dose growth hormone on uremic cardiomyopathy**
Rabkin, R., Awwad, I., Sun, D., Chen, Y., Berger, I., Gross, M.
ELSEVIER GMBH, URBAN & FISCHER VERLAG.2007: 334-35
 - **Work-induced changes in skeletal muscle IGF-1 and myostatin gene expression in uremia** *KIDNEY INTERNATIONAL*
Sun, D. F., Chen, Y., Rabkin, R.
2006; 70 (3): 453-459
 - **Transcriptional profiling of aging in human muscle reveals a common aging signature** *PLOS GENETICS*
Zahn, J. M., Sonu, R., Vogel, H., Crane, E., Mazan-Mamczarz, K., Rabkin, R., Davis, R. W., Becker, K. G., Owen, A. B., Kim, S. K.
2006; 2 (7): 1058-1069
 - **Circulating growth hormone binding protein levels and mononuclear cell growth hormone receptor expression in uremia** *7th Symposium on Growth and Development in Children with Chronic Kidney Disease*
Greenstein, J., Guest, S., Tan, J. C., Tummala, P., Busque, S., Rabkin, R.

W B SAUNDERS CO-ELSEVIER INC.2006: 141-49

● **Suppressors of cytokine signaling in health and disease** *PEDIATRIC NEPHROLOGY*

Tan, J. C., Rabkin, R.
2005; 20 (5): 567-575

● **Growth hormone resistance in uremia, a role for impaired JAK/STAT signaling** *7th Symposium on Growth and Development in Children with Chronic Kidney Disease*

Rabkin, R., Sun, D. F., Chen, Y., Tan, J., Schaefer, F.
SPRINGER.2005: 313-18

● **Cardiac resistance to growth hormone in uremia** *KIDNEY INTERNATIONAL*

Zheng, Z. L., Sun, D. F., Tummala, P., Rabkin, R.
2005; 67 (3): 858-866

● **Chronic uremia attenuates growth hormone-induced signal transduction in skeletal muscle** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*

Sun, D. F., Zheng, Z. L., Tummala, P., Oh, J., Schaefer, F., Rabkin, R.
2004; 15 (10): 2630-?

● **Growth hormone-mediated janus associated kinase-signal transducers and activators of transcription signaling in the growth hormone-resistant potassium-deficient rat** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*

Schaefer, F., Yoon, S. A., Nouri, P., Tsao, T., Tummala, P., Deng, E., Rabkin, R.
2004; 15 (9): 2299-2306

● **New concepts: growth hormone, insulin-like growth factor-I and the kidney** *GROWTH HORMONE & IGF RESEARCH*

Rabkin, R., Schaefer, F.
2004; 14 (4): 270-276

● **Albumin stimulates the accumulation of extracellular matrix in renal tubular epithelial cells** *AMERICAN JOURNAL OF NEPHROLOGY*

Stephan, J. P., Mao, W. G., Filvaroff, E., Cai, L. P., Rabkin, R., Pan, G. H.
2004; 24 (1): 14-19

● **Growth hormone (GH) receptor expression in uremia.** *36th Annual Meeting of the American-Society-of-Nephrology*

Greenstein, J., Guest, S., Tummala, P., Tan, J., Rabkin, R.
AMER SOC NEPHROLOGY.2003: 537A-538A

● **Growth hormone (GH) receptors in uremia.** *Western Regional Meeting of the American-Federation-for-Medical-Research*

Greenstein, J., Guest, S., Tummala, P., Rabkin, R., Tan, J.
LIPPINCOTT WILLIAMS & WILKINS.2003: S152-S152

● **Diabetic nephropathy.** *Clinical cornerstone*

Rabkin, R.
2003; 5 (2): 1-11

● **The role of growth factors and ammonia in the genesis of hypokalemic nephropathy** *JOURNAL OF RENAL NUTRITION*

Fervenza, F. C., Rabkin, R.
2002; 12 (3): 151-159

● **Effect of prolonged uremia on insulin-like growth factor-I receptor autophosphorylation and tyrosine kinase activity in kidney and muscle** *EXPERIMENTAL NEPHROLOGY*

Tsao, T., Fervenza, F., Friedlaender, M., Chen, Y., Rabkin, R.
2002; 10 (4): 285-292

● **Impaired JAK-STAT signal transduction contributes to growth hormone resistance in chronic uremia** *JOURNAL OF CLINICAL INVESTIGATION*

Schaefer, F., Chen, Y., Tsao, T., Nouri, P., Rabkin, R.
2001; 108 (3): 467-475

● **Growth factors in the treatment of wasting in kidney failure** *JOURNAL OF RENAL NUTRITION*

Chen, Y., Fervenza, F. C., Rabkin, R.
2001; 11 (2): 62-66

- **Hepatocyte growth factor receptor in acute tubular necrosis** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Rabkin, R., Fervenza, F., Tsao, T., Sibley, R., Friedlaender, M., Hsu, F., Lassman, C., Hausmann, M., Huie, P., Schwall, R. H.
2001; 12 (3): 531-540
- **Paradoxical body and kidney growth in potassium deficiency** *Ninth International Symposium of Nephrology at Montecatini Italy: Kidney Proteins and Growth Factors*
Fervenza, F., Tsao, T., Rabkin, R.
INFORMA HEALTHCARE.2001: 339–46
- **Growth factor insensitivity in renal failure** *Ninth International Symposium of Nephrology at Montecatini Italy: Kidney Proteins and Growth Factors*
Rabkin, R.
INFORMA HEALTHCARE.2001: 291–300
- **Expression of insulin-like growth factor-I and transforming growth factor-beta in hypokalemic nephropathy in the rat** *KIDNEY INTERNATIONAL*
Tsao, T., Fawcett, J., Fervenza, F. C., Hsu, F. W., Huie, P., Sibley, R. K., Rabkin, R.
2001; 59 (1): 96-105
- **Effect of metabolic acidosis on the insulin-like growth factor-I system and cathepsins B and L gene expression in the kidney** *JOURNAL OF LABORATORY AND CLINICAL MEDICINE*
Fawcett, J., Hsu, F. W., Tsao, T., Rabkin, R.
2000; 136 (6): 468-475
- **Response to growth hormone therapy in experimental ischemic acute renal failure** *JOURNAL OF LABORATORY AND CLINICAL MEDICINE*
Fervenza, F. C., Hsu, F. W., Tsao, T., Friedlaender, M. M., Rabkin, R.
1999; 133 (5): 434-439
- **Intrarenal insulin-like growth factor-1 axis after unilateral nephrectomy in rat** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Fervenza, F. C., Tsao, T., Hsu, F., Rabkin, R.
1999; 10 (1): 43-50
- **Role of insulinlike growth factor I in renal transplantation: Evaluation of intra- and postoperative effects** *Congress on New Dimensions in Transplantation - Weaving the Future*
Maestri, M., Adams, G., Gaspari, A., Passalia, L., Innocente, F., Rademacher, J., Luzzana, F., Polese, M., Bolla, E., Noli, S., Scotti-Foglieni, A., Scotti-Foglieni, C., Dafoe, et al
ELSEVIER SCIENCE INC.1998: 2019–23
- **Insulin-like growth factor-I treatment to enhance renal function in advanced chronic renal failure** *8th International Symposium of Nephrology*
Fervenza, F. C., Friedlaender, M. M., Ike, J. O., Rabkin, R.
TAYLOR & FRANCIS INC.1998: 349–56
- **The insulin-like growth factor-I axis in acute renal failure** *8th International Symposium of Nephrology*
Friedlaender, M. M., Fervenza, F. C., Tsao, T., Hsu, F., Rabkin, R.
TAYLOR & FRANCIS INC.1998: 343–48
- **Effect of insulin-like growth factor binding proteins on the response of proximal tubular cells to insulin-like growth factor-I** *KIDNEY INTERNATIONAL*
Yap, J., Tsao, T., Fawcett, J., Fielder, P. J., Keller, G. A., Rabkin, R.
1997; 52 (5): 1216-1223
- **The IGF-I axis in kidney and skeletal muscle of potassium deficient rats** *KIDNEY INTERNATIONAL*
Hsu, F. W., Tsao, T., Rabkin, R.
1997; 52 (2): 363-370
- **Insulin-like growth factor-I ameliorates delayed kidney graft function and the acute nephrotoxic effects of cyclosporine** *TRANSPLANTATION*
Maestri, M., Dafoe, D. C., Adams, G. A., Gaspari, A., Luzzana, F., Innocente, F., Rademacher, J., Dionigi, P., Barbieri, A., Zonta, F., Zonta, A., Rabkin, R.
1997; 64 (2): 185-190
- **The use of growth factors to increase glomerular filtration rate in chronic renal failure patients** *CURRENT OPINION IN NEPHROLOGY AND HYPERTENSION*
Miller, S. B., Rabkin, R.
1997; 6 (4): 401-404

- Nutrient regulation of insulin-like growth factor-1 *8th International Congress on Renal Nutrition and Metabolism*
Rabkin, R.
KARGER.1997: 157–60
- Nuclear transport of insulin-like growth factor-I and insulin-like growth factor binding protein-3 in opossum kidney cells. *ENDOCRINOLOGY*
Li, W. L., Fawcett, J., Widmer, H. R., Fielder, P. J., Rabkin, R., Keller, G. A.
1997; 138 (4): 1763-1766
- Regional changes in the intrarenal insulin-like growth factor-I axis in diabetes *KIDNEY INTERNATIONAL*
Fervenza, F. C., Tsao, T., Hoffman, A. R., Rabkin, R.
1997; 51 (3): 811-818
- IGF-I receptor binding, autophosphorylation, and kinase activity in kidney and muscle of acutely uremic rats *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*
Tsao, T., Hsu, F. W., Rabkin, R.
1997; 272 (3): F325-F332
- Early experience with extended use of insulin-like growth factor-1 in advanced chronic renal failure *KIDNEY INTERNATIONAL*
Ike, J. O., Fervenza, F. C., Hoffman, A. R., Yeh, I., Hintz, R. L., Liu, F., Rabkin, R.
1997; 51 (3): 840-849
- Renal hypertrophy and kidney disease in diabetes *DIABETES-METABOLISM REVIEWS*
Rabkin, R., Fervenza, F. C.
1996; 12 (3): 217-241
- Processing of I-125-insulin by polarized cultured kidney cells *EXPERIMENTAL CELL RESEARCH*
Rabkin, R., Hamik, A., Yagil, C., Hamel, F. G., Duckworth, W. C., Fawcett, J.
1996; 224 (1): 136-142
- Pharmacokinetics of insulin-like growth factor-1 in advanced chronic renal failure *KIDNEY INTERNATIONAL*
Rabkin, R., Fervenza, F. C., Maidment, H., Ike, J., Hintz, R., Liu, F., Bloedow, D. C., Hoffman, A. R., Gesundheit, N.
1996; 49 (4): 1134-1140
- Response of the intrarenal insulin-like growth factor-I axis to acute ischemic injury and treatment with growth hormone and epidermal growth factor *KIDNEY INTERNATIONAL*
Fervenza, F. C., Tsao, T., Rabkin, R.
1996; 49 (2): 344-354
- Protein turnover in the hypertrophying kidney *7th International Congress on Renal Nutrition and Metabolism*
Rabkin, R., Shechter, P., Shi, J. D., Boner, G.
KARGER.1996: 153–56
- EXPRESSION OF THE GENES ENCODING THE RAT RENAL INSULIN-LIKE GROWTH-FACTOR-I SYSTEM *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Rabkin, R., Brody, M., LU, L. H., Chan, C., Shaheen, A. M., Gillet, N.
1995; 6 (5): 1511-1518
- RENAL GROWTH HORMONE-INSULIN-LIKE GROWTH-FACTOR-I SYSTEM IN ACUTE-RENAL-FAILURE *KIDNEY INTERNATIONAL*
Tsao, T., Wang, J., Fervenza, F. C., Vu, T. H., JIN, I. H., Hoffman, A. R., Rabkin, R.
1995; 47 (6): 1658-1668
- INSULIN-LIKE GROWTH-FACTOR-I TREATMENT OF ACUTE-RENAL-FAILURE *JOURNAL OF LABORATORY AND CLINICAL MEDICINE*
Rabkin, R.
1995; 125 (6): 684-685
- THE PROCESSING OF INSULIN-LIKE GROWTH-FACTOR-I (IGF-I) BY A CULTURED KIDNEY-CELL LINE IS ALTERED BY IGF-BINDING PROTEIN-3 *ENDOCRINOLOGY*
Fawcett, J., Rabkin, R.
1995; 136 (4): 1340-1347

- **SEQUENTIAL PROCESSING OF INSULIN BY CULTURED KIDNEY-CELLS** *ENDOCRINOLOGY*
Fawcett, J., Rabkin, R.
1995; 136 (1): 39-45
- **RENAL TUBULAR CELL PROTEIN BREAKDOWN IN UNINEPHRECTOMIZED AND AMMONIUM CHLORIDE-LOADED RATS** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Shechter, P., Shi, J. D., Rabkin, R.
1994; 5 (5): 1201-1207
- **THE INTRARENAL IGF-I AXIS IN COMPENSATORY RENAL GROWTH**
Fervenza, F., Tsao, T., Hsu, F., Rabkin, R.
AMER SOC NEPHROLOGY.1994: 691-91
- **HETEROGENEITY OF IGF-I, IGF-I RECEPTOR AND IGF BINDING-PROTEIN GENE-EXPRESSION IN KIDNEY**
Rabkin, R., Brody, M., Lu, L., Chan, C., Gillett, N. A.
AMER SOC NEPHROLOGY.1994: 793-93
- **INSULIN-LIKE GROWTH-FACTOR-I GENE-EXPRESSION IN ACUTE TUBULAR-NECROSIS (ATN)**
Fervenza, F., Tsao, T., Hsu, F., Rabkin, R.
AMER SOC NEPHROLOGY.1994: 897-97
- **RECOVERY FROM ACUTE ISCHEMIC RENAL-FAILURE IS ACCELERATED BY DES(1-3)-INSULIN-LIKE GROWTH-FACTOR-I** *CLINICAL SCIENCE*
Clark, R., Mortensen, D., Rabkin, R.
1994; 86 (6): 709-714
- **EFFECTS OF FLUOXETINE ON MOOD AND IMMUNE STATUS IN DEPRESSED-PATIENTS WITH HIV ILLNESS** *JOURNAL OF CLINICAL PSYCHIATRY*
Rabkin, J. G., Rabkin, R., Wagner, G.
1994; 55 (3): 92-97
- **TUBULAR CELL PROTEIN-DEGRADATION IN EARLY DIABETIC RENAL HYPERTROPHY** *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY*
Shechter, P., Boner, G., Rabkin, R.
1994; 4 (8): 1582-1587
- **DEGRADATION OF INSULIN BY ISOLATED RAT RENAL CORTICAL ENDOSOMES** *ENDOCRINOLOGY*
Fawcett, J., Rabkin, R.
1993; 133 (4): 1539-1547
- **INSULIN UPTAKE AND PROCESSING BY CULTURED MOUSE GLOMERULAR ENDOTHELIAL-CELLS** *AMERICAN JOURNAL OF PHYSIOLOGY*
Rabkin, R., Tsao, T., Elliot, S. J., Striker, L. J., Striker, G. E.
1993; 265 (2): C453-C459
- **AMMONIUM-CHLORIDE ALTERS RENAL TUBULAR CELL-GROWTH AND PROTEIN-TURNOVER** *LABORATORY INVESTIGATION*
Rabkin, R., PALATHUMPAT, M., Tsao, T.
1993; 68 (4): 427-438
- **ENDOSOMES DEGRADE INSULIN** *7TH INTERNATIONAL SYMP ON NEPHROLOGY*
Fawcett, J., Rabkin, R.
KARGER.1993: 61-65
- **RENAL CORTICAL ENDOSOMES PARTICIPATE IN THE DEGRADATION OF INSULIN** *6TH INTERNATIONAL CONF IN RENAL NUTRITION AND METABOLISM*
Fawcett, J., Frank, B., Rabkin, R.
KARGER.1992: 80-83
- **AMMONIUM-CHLORIDE INCREASES KIDNEY-CELL PROTEIN-CONTENT** *6TH INTERNATIONAL CONF IN RENAL NUTRITION AND METABOLISM*
Dahl, D. C., Tsao, T., Rabkin, R.

KARGER.1992: 104-7

● **ALTERED INTESTINAL AND RENAL BRUSH-BORDER AMINO-OLIGOPEPTIDASE STRUCTURE IN DIABETES AND METABOLIC-ACIDOSIS - NORMAL AND BIOBREED (BB) RATS METABOLISM-CLINICAL AND EXPERIMENTAL**

Najjar, S. M., Hampp, L. T., Rabkin, R., Gray, G. M.

1992; 41 (1): 76-84

● **AMINO-ACIDS REGULATE KIDNEY-CELL PROTEIN BREAKDOWN JOURNAL OF LABORATORY AND CLINICAL MEDICINE**

Rabkin, R., Tsao, T., Shi, J. D., Mortimore, G.

1991; 117 (6): 505-513

● **SUCRASE-ALPHA-DEXTRINASE IN DIABETIC BIOBREED RATS - REVERSIBLE ALTERATION OF SUBUNIT STRUCTURE AMERICAN JOURNAL OF PHYSIOLOGY**

Najjar, S. M., Hampp, L. T., Rabkin, R., Gray, G. M.

1991; 260 (2): G275-G283

● **EFFECT OF BACITRACIN ON RETROENDOCYTOSIS AND DEGRADATION OF INSULIN IN CULTURED KIDNEY EPITHELIAL-CELL LINE DIABETES**

Dahl, D. C., Tsao, T., Duckworth, W. C., Frank, B. H., Rabkin, R.

1990; 39 (11): 1339-1346

● **MODULATION OF KIDNEY-CELL PROTEIN-DEGRADATION BY INSULIN JOURNAL OF LABORATORY AND CLINICAL MEDICINE**

Tsao, T. C., Shi, J. D., Mortimore, G. E., Cragoe, E. J., Rabkin, R.

1990; 116 (3): 369-376

● **FACTORS CONTROLLING INTRACELLULAR PROTEIN-TURNOVER IN THE KIDNEY SEMINARS IN NEPHROLOGY**

Rabkin, R., Dahl, D. C.

1990; 10 (5): 472-480

● **ALTERNATE PATHWAYS FOR THE RENAL PROCESSING OF INSULIN 6TH INTERNATIONAL SYMP OF NEPHROLOGY : KIDNEY, PROTEINS, AND DRUGS**

Dahl, D. C., Tsao, T., Rabkin, R.

KARGER.1990: 53-59

● **BASOLATERAL AND APICAL BINDING, INTERNALIZATION, AND DEGRADATION OF INSULIN BY CULTURED KIDNEY EPITHELIAL-CELLS AMERICAN JOURNAL OF PHYSIOLOGY**

Rabkin, R., Yagil, C., Frank, B.

1989; 257 (6): E895-E902

● **Protein catabolism in cultured kidney cells. Kidney international. Supplement**

Rabkin, R., Dahl, D. C., Mahoney, C. A., Tsao, T.

1989; 27: S11-4

● **PROTEIN CATABOLISM IN CULTURED KIDNEY-CELLS KIDNEY INTERNATIONAL**

Rabkin, R., Dahl, D. C., Mahoney, C. A., Tsao, T.

1989; 36: S11-S14

● **ABNORMAL INSULIN METABOLISM BY SPECIFIC ORGANS FROM RATS WITH SPONTANEOUS HYPERTENSION AMERICAN JOURNAL OF PHYSIOLOGY**

Mondon, C. E., Reaven, G. M., Azhar, S., Lee, C. M., Rabkin, R.

1989; 257 (4): E491-E498

● **RETROENDOCYTOSIS OF INSULIN IN A CULTURED KIDNEY EPITHELIAL-CELL LINE AMERICAN JOURNAL OF PHYSIOLOGY**

Dahl, D. C., Tsao, T., Duckworth, W. C., Mahoney, M. J., Rabkin, R.

1989; 257 (2): C190-C196

● **INSULIN DEGRADATION PRODUCTS FROM PERFUSED RAT-KIDNEY AMERICAN JOURNAL OF PHYSIOLOGY**

Duckworth, W. C., Hamel, F. G., Liepnieks, J., PEAVY, D., Frank, B., Rabkin, R.

1989; 256 (2): E208-E214

● **HIGH-PERFORMANCE LIQUID-CHROMATOGRAPHIC ANALYSIS OF INSULIN DEGRADATION PRODUCTS FROM A CULTURED KIDNEY-CELL LINE ENDOCRINOLOGY**

- Duckworth, W. C., Hamel, F. G., Liepnieks, J., Frank, B. H., Yagil, C., Rabkin, R.
1988; 123 (6): 2701-2708
- **EFFECT OF INSULIN THERAPY ON ESTABLISHED DIABETIC NEPHROPATHY IN RATS *DIABETES***
Petersen, J., Ross, J., Rabkin, R.
1988; 37 (10): 1346-1350
 - **EFFECT OF BACITRACIN ON BINDING AND PROCESSING OF INSULIN BY ESTABLISHED RENAL-CELL LINE *DIABETES***
Yagil, C., Frank, B. H., Rabkin, R.
1988; 37 (6): 800-805
 - **INTERNALIZATION AND CATABOLISM OF INSULIN BY AN ESTABLISHED RENAL-CELL LINE *AMERICAN JOURNAL OF PHYSIOLOGY***
Yagil, C., Frank, B. H., Rabkin, R.
1988; 254 (6): C822-C828
 - **INSULIN BINDING, INTERNALIZATION, AND DEGRADATION BY A CULTURED KIDNEY-CELL LINE *AMERICAN JOURNAL OF PHYSIOLOGY***
Yagil, C., Ehmann, U. K., Frank, B. H., Rabkin, R.
1988; 254 (5): E601-E608
 - **RENAL METABOLISM OF CALCITONIN *AMERICAN JOURNAL OF PHYSIOLOGY***
Simmons, R. E., Hjelle, J. T., Mahoney, C., Deftos, L. J., Lisker, W., Kato, P., Rabkin, R.
1988; 254 (4): F593-F600
 - **DIFFERENCES IN RENAL METABOLISM OF INSULIN AND CYTOCHROME-C *AMERICAN JOURNAL OF PHYSIOLOGY***
Herrman, J., Simmons, R. E., Frank, B. H., Rabkin, R.
1988; 254 (4): E419-E428
 - **Intrarenal pathways of calcitonin degradation. *Contributions to nephrology***
Mahoney, C. A., Simmons, R. E., Hjelle, J. T., Rabkin, R.
1988; 68: 12-18
 - **HORMONE RECEPTOR INTERACTIONS - DISCUSSION *KIDNEY INTERNATIONAL***
BRENNER, B. M., Schrier, R. W., Striker, G. E., Brown, D., Rabkin, R., Jamison, R. L., Hammerman, M. R., Seifter, J. L., Daniel, T. O., SKORECKI, C. L., FINE, L. G.
1987; 32: S61-S67
 - **EFFECT OF EXPERIMENTAL DIABETES ON INSULIN BINDING BY RENAL BASOLATERAL MEMBRANES *KIDNEY INTERNATIONAL***
Rabkin, R., Hirayama, P., Roth, R. A., Frank, B. H.
1986; 30 (3): 348-354
 - **Mechanisms and consequences of proteinuria. *Laboratory investigation; a journal of technical methods and pathology***
Kaysen, G. A., Myers, B. D., Couser, W. G., Rabkin, R., FELTS, J. M.
1986; 54 (5): 479-498
 - **BIOLOGY OF DISEASE - MECHANISMS AND CONSEQUENCES OF PROTEINURIA *LABORATORY INVESTIGATION***
Kaysen, G. A., Myers, B. D., Couser, W. G., Rabkin, R., FELTS, J. M.
1986; 54 (5): 479-498
 - **INSULIN METABOLISM BY LIVER, MUSCLE, AND KIDNEYS FROM SPONTANEOUSLY DIABETIC RATS *AMERICAN JOURNAL OF PHYSIOLOGY***
Rabkin, R., Reaven, G. M., Mondon, C. E.
1986; 250 (5): E530-E537
 - **PATHWAYS OF RENAL INSULIN DEGRADATION**
Simmons, A., Herrman, J., Frank, B., Rabkin, R.
SLACK INC.1986: A701-A701
 - **HEPATORENAL-SYNDROME MANAGED WITH HEMODIALYSIS, THEN REVERSED BY PERITONEOVENOUS SHUNTING *JOURNAL OF CLINICAL GASTROENTEROLOGY***
Kearns, P. J., POLHEMUS, R. J., Oakes, D., Rabkin, R.
1985; 7 (4): 341-343

- **Peritubular uptake and processing of insulin.** *Contributions to nephrology*
Rabkin, R., Petersen, J.
1984; 42: 38-48
- **THE RENAL METABOLISM OF INSULIN** *DIABETOLOGIA*
Rabkin, R., Ryan, M. P., Duckworth, W. C.
1984; 27 (3): 351-357
- **RENAL METABOLISM OF PEPTIDE-HORMONES** *MINERAL AND ELECTROLYTE METABOLISM*
Rabkin, R., KITAJI, J.
1983; 9 (4-6): 212-226
- **FATE OF [I-125]-LABELED INSULIN REMOVED FROM THE PERITUBULAR CIRCULATION OF ISOLATED PERFUSED RAT-KIDNEY** *AMERICAN JOURNAL OF PHYSIOLOGY*
Petersen, J., KITAJI, J., Duckworth, W. C., Rabkin, R.
1982; 243 (2): F126-F132
- **THE INFLUENCE OF AMINO-ACIDS (AA) ON TUBULAR ABSORPTION OF INSULIN AND GROWTH-HORMONE**
Rabkin, R., GOTTHEINER, T., Tsao, T.
BLACKWELL SCIENCE INC.1982: 254-54
- **AMINO-ACIDS ENHANCE RENAL TUBULAR ABSORPTION OF THE LOW-MOLECULAR-WEIGHT PROTEINS INSULIN AND GROWTH-HORMONE** *AMERICAN JOURNAL OF PHYSIOLOGY*
Rabkin, R., GOTTHEINER, T. I., Tsao, T. S.
1982; 242 (6): F745-F749
- **BINDING AND DEGRADATION OF INSULIN BY ISOLATED RENAL BRUSH-BORDER MEMBRANES** *DIABETES*
Rabkin, R., Petersen, J., Mamelok, R.
1982; 31 (7): 618-623
- **REVERSIBLE HYPERINSULINURIA IN DIABETIC-KETOACIDOSIS IN MAN** *AMERICAN JOURNAL OF PHYSIOLOGY*
Sacks, H., Rabkin, R., Kitabchi, A. E.
1981; 241 (5): E396-E405
- **METABOLIC CHARACTERISTICS OF RENAL INSULIN UPTAKE**
GOTTHEINER, T. I., Tsao, T., Rabkin, R.
NATURE PUBLISHING GROUP.1981: 222-22
- **AMINO-ACIDS (AA) ENHANCE RENAL TUBULAR LOW-MOLECULAR WEIGHT PROTEIN (LMWP) ABSORPTION**
GOTTHEINER, T. I., Tsao, T., Rabkin, R.
SLACK INC.1981: A554-A554
- **AMINO-ACIDS (AA) ENHANCE TUBULAR LOW-MOLECULAR WEIGHT PROTEIN (LMWP) ABSORPTION**
GOTTHEINER, T. I., Tsao, T., Rabkin, R.
SLACK INC.1981: A72-A72
- **REMOVAL AND EXCRETION OF IMMUNOREACTIVE RAT GROWTH-HORMONE BY THE ISOLATED KIDNEY** *AMERICAN JOURNAL OF PHYSIOLOGY*
Rabkin, R., GOTTHEINER, T. I., Fang, V. S.
1981; 240 (4): F282-F287
- **METABOLIC CHARACTERISTICS OF RENAL INSULIN UPTAKE** *DIABETES*
Rabkin, R., GOTTHEINER, T. I., Tsao, T. S.
1981; 30 (11): 929-934
- **REMOVAL OF IMMUNOREACTIVE ARGinine VASOPRESSIN BY THE PERFUSED-RAT-LIVER** *ENDOCRINOLOGY*
Rabkin, R., GHAZELEH, S., Share, L., Crofton, J., UNTERHALTER, S. A.
1980; 106 (3): 930-934
- **DETERMINANTS OF RENAL INSULIN UPTAKE AND EXCRETION**

- Rabkin, R., GOTTHEINER, T. I., Chen, T. S.
SLACK INC.1980: A536-A536
- **HANDLING OF IMMUNOREACTIVE VASOPRESSIN BY THE ISOLATED PERFUSED RAT-KIDNEY** *JOURNAL OF CLINICAL INVESTIGATION*
Rabkin, R., Share, L., Payne, P. A., Young, J., Crofton, J.
1979; 63 (1): 6-13
 - **RENAL HANDLING OF IMMUNOREACTIVE RAT GROWTH-HORMONE (RGH)**
GOTTHEINER, T. I., Rabkin, R., Fang, V.
NATURE PUBLISHING GROUP.1979: 816-16
 - **EFFECT OF PROLONGED UREMIA ON INSULIN METABOLISM BY ISOLATED LIVER AND MUSCLE KIDNEY** *INTERNATIONAL*
Rabkin, R., UNTERHALTER, S. A., Duckworth, W. C.
1979; 16 (4): 433-439
 - **HANDLING OF INSULIN, PROINSULIN, AND C-PEPTIDE BY ISOLATED RAT-KIDNEY** *DIABETES*
Rabkin, R., Ross, B. D., MAKO, M. E., Rubenstein, A. H.
1978; 27: 192-196
 - **EFFECT OF RENAL-TRANSPLANTATION ON PITUITARY GONADAL FUNCTION** *METABOLISM-CLINICAL AND EXPERIMENTAL*
Morley, J. E., Distiller, L. A., UNTERHALTER, S., Myers, J. B., Rabkin, R., Katz, M.
1978; 27 (7): 781-785
 - **FACTORS INFLUENCING HANDLING OF INSULIN BY ISOLATED RAT-KIDNEY** *JOURNAL OF CLINICAL INVESTIGATION*
Rabkin, R., Kitabchi, A. E.
1978; 62 (1): 169-175
 - **INSULIN EXTRACTION FROM RENAL PERITUBULAR CIRCULATION IN CHICKEN** *ENDOCRINOLOGY*
Rabkin, R., Jones, J., Kitabchi, A. E.
1977; 101 (6): 1828-1833
 - **Post-transplantation analgesic dependence in patients who formerly suffered from analgesic neophropathy.** *Clinical nephrology*
FURMAN, K. I., Galasko, G. T., Meyers, A. M., Rabkin, R.
1976; 5 (2): 54-56
 - **STRONGYLOIDES-STERCORALIS HYPERINFECTION IN A RENAL-ALLOGRAFT RECIPIENT** *SOUTH AFRICAN MEDICAL JOURNAL*
Meyers, A. M., Shapiro, D. J., Milne, F. J., Myburgh, J. A., Rabkin, R.
1976; 50 (33): 1301-1302
 - **KAPOSI SARCOMA IN AN IMMUNOSUPPRESSED RENAL-ALLOGRAFT RECIPIENT** *SOUTH AFRICAN MEDICAL JOURNAL*
Meyers, A. M., RICE, G. C., Kaye, S., Myburgh, J. A., Rabkin, R.
1976; 50 (33): 1299-1300
 - **HYPERLIPIDEMIA IN RENAL-TRANSPLANT PATIENTS/TS** *SOUTH AFRICAN MEDICAL JOURNAL*
Goldberg, R. B., JUDELMAN, J. J., Mindel, A., Meyers, A. M., Salant, D. J., Myburgh, J. A., Rabkin, R., Joffe, B. I., Seftel, H. C.
1976; 50 (33): 1291-1294
 - **DEPRESSED NEUTROPHIL CHEMOTAXIS IN PATIENTS WITH CHRONIC RENAL-FAILURE AND AFTER RENAL-TRANSPLANTATION** *JOURNAL OF LABORATORY AND CLINICAL MEDICINE*
Salant, D. J., Glover, A. M., Anderson, R., Meyers, A. M., Rabkin, R., Myburgh, J. A., RABSON, A. R.
1976; 88 (4): 536-545
 - **Polymorphonuclear leucocyte function in chronic renal failure and after renal transplantation.** *Proceedings of the European Dialysis and Transplant Association. European Dialysis and Transplant Association*
Salant, D. J., Glover, A. M., Anderson, R., Meyers, A. M., Rabkin, R., Myburgh, J. A., RABSON, A. R.
1976; 12: 370-379
 - **EFFECT OF DIFFERENT PREPARATIONS OF HUMAN GROWTH-HORMONE ON PLASMA-RENIN ACTIVITY IN NORMAL MALES** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*
Epstein, S., LeRoith, D., Rabkin, R.
1976; 42 (2): 390-392

- **Lymphocoles in renal homograft recipients.** *Proceedings of the European Dialysis and Transplant Association. European Dialysis and Transplant Association*
Meyers, A., Salant, D., Rabkin, R., Milne, J., Botha, R., Myburgh, J.
1976; 12: 452-460
- **The qualitative nitroblue tetrazolium (NBT) test as a means to differentiate between infection and rejection in renal transplant patients.** *Clinical nephrology*
Sher, R., Anderson, R., Meyers, A. M., Rabkin, R., Koornhof, H. J.
1975; 4 (1): 8-12
- **Changes in oxygen delivery during hemodialysis.** *Clinical nephrology*
TORRANCE, J. D., Milne, F. J., Hurwitz, S., ZWI, S., Rabkin, R.
1975; 3 (2): 54-59
- **PITUITARY-GONADAL FUNCTION IN CHRONIC RENAL-FAILURE - EFFECT OF LUTEINIZING HORMONE-RELEASING HORMONE AND INFLUENCE OF DIALYSIS** *METABOLISM-CLINICAL AND EXPERIMENTAL*
Distiller, L. A., Morley, J. E., Sagel, J., POKROY, M., Rabkin, R.
1975; 24 (6): 711-720
- **EFFECT OF GROWTH-HORMONE ON RENAL SODIUM AND WATER EXCRETION** *HORMONE AND METABOLIC RESEARCH*
Rabkin, R., Epstein, S., Swann, M.
1975; 7 (2): 139-142
- **UNUSUAL HORMONAL CAUSE OF HYPERTENSION AND HYPOKALEMIA** *SOUTH AFRICAN MEDICAL JOURNAL*
Salant, D. J., Rabkin, R.
1975; 49 (37): 1525-1526
- **ANALGESIC RENAL PAPILLARY NECROSIS** *SOUTH AFRICAN MEDICAL JOURNAL*
Smith, J. D., Rabkin, R., Stables, D., THATCHER, G. N., EALES, L.
1975; 49 (44): 1819-1822
- **EFFECT OF GROWTH-HORMONE ON SODIUM-TRANSPORT AND OSMOTIC WATER-FLOW ACROSS TOAD SKIN** *HORMONE AND METABOLIC RESEARCH*
Rabkin, R., Swann, M., Shapiro, D. J., Isaacson, L.
1974; 6 (2): 129-132
- **PRESENSITIZATION AND CLINICAL KIDNEY-TRANSPLANTATION .2. CORRELATIVE STUDIES OF HUMORAL AND CELLULAR IMMUNITY AND CLINICAL COURSE** *TRANSPLANTATION*
Myburgh, J. A., Maier, G., Smit, J. A., Shapiro, M., Meyers, A. M., Rabkin, R., VANBLERK, P. J., JERSKY, J.
1974; 18 (3): 213-222
- **PRESENSITIZATION AND CLINICAL KIDNEY-TRANSPLANTATION .1. FAVORABLE COURSE OF A SUBSTANTIAL NUMBER OF PATIENTS** *TRANSPLANTATION*
Myburgh, J. A., Maier, G., Smit, J. A., Shapiro, M., Meyers, A. M., Rabkin, R., VANBLERK, P. J., JERSKY, J.
1974; 18 (3): 206-212
- **EXPERIENCE WITH CHRONIC HEMODIALYSIS IN JOHANNESBURG** *SOUTH AFRICAN MEDICAL JOURNAL*
Milne, F. J., Goldberg, B., Meyers, A. M., FURMAN, K. I., Cohen, I., GECELTER, L., RANSOME, O., VANDENHE, T. O., Davis, R., Rabkin, R.
1974; 48 (43): 1821-1825
- **NEPHROTIC SYNDROME, MALIGNANCY AND IMMUNOSUPPRESSION** *SOUTH AFRICAN MEDICAL JOURNAL*
Rabkin, R., THATCHER, G. N., Diamond, L. H., EALES, L.
1973; 47 (14): 605-606
- **AUTORADIOGRAPHIC DEMONSTRATION OF GLOMERULAR FILTRATION AND PROXIMAL TUBULAR ABSORPTION OF GROWTH-HORMONE I-125 IN MOUSE** *HORMONE AND METABOLIC RESEARCH*
Rabkin, R., PIMSTONE, B. L., EALES, L.
1973; 5 (3): 172-175
- **RENAL TUBULAR FUNCTION IN SYSTEMIC LUPUS-ERYTHEMATOSUS** *SOUTH AFRICAN MEDICAL JOURNAL*
Jessop, S., Rabkin, R., MUMFORD, G., EALES, L.

1973; 47 (4): 132-135

● **Glomerular filtration and proximal tubular absorption of insulin 125 I.** *The American journal of physiology*

Rabkin, R., Rubenstein, A. H., COLWELL, J. A.
1972; 223 (5): 1093-1096

● **BILATERAL TRAUMATIC RENAL-ARTERY OCCLUSION WITH SURVIVAL AFTER LATE RECONSTITUTION OF ARTERIAL FLOW** *BRITISH JOURNAL OF SURGERY*

BIRKENST, W. E., STABLES, D. P., Rabkin, R.
1972; 59 (11): 915-?

● **GROWTH-HORMONE STIMULATION OF IONIC TRANSPORT ACROSS TOAD SKIN**

Rabkin, R., ISAACSON, L. C., Swann, M.
MED ASSOC S AFRICA.1972: 851-?

● **DISAPPEARANCE OF HUMAN GROWTH-HORMONE I-125 IN ANEUPHRIC NON-UREMIC AND UREMIC RAT** *HORMONE AND METABOLIC RESEARCH*

Rabkin, R., PIMSTONE, B. L., Marks, T., EALES, L.
1972; 4 (6): 467-469

● **TRAUMATIC RENAL-ARTERY OCCLUSION**

BIRKENST, W. E., STABLES, D. P., Rabkin, R.
MED ASSOC S AFRICA.1972: 849-?

● **RENAL TUBULAR FUNCTION IN SYSTEMIC LUPUS ERYTHEMATOSIS**

Jessop, S., EALES, L., MUMFORD, G., Rabkin, R.
MED ASSOC S AFRICA.1972: 848-?

● **SIGNIFICANCE OF SERUM CREATININE AND BLOOD UREA SERUM CREATININE RATIO IN AZOTEMIA** *SOUTH AFRICAN MEDICAL JOURNAL*

Kahn, S., Sagel, J., Rabkin, R., EALES, L.
1972; 46 (47): 1828-?

● **SHORT-TERM FOLLOW-UP OF ACUTE TUBULAR NECROSIS**

Keeton, G. R., Miller, D., Rabkin, R., EALES, L.
MED ASSOC S AFRICA.1972: 849-?

● **BLOOD PRIMING FOR HAEMODIALYSIS** *LANCET*

Keeton, G. R., Rabkin, R., Thatcher, G., EALES, L.
1971; 2 (7719): 311-?

● **EFFECT OF RENAL DISEASE ON RENAL UPTAKE AND EXCRETION OF INSULIN IN MAN** *NEW ENGLAND JOURNAL OF MEDICINE*

Rabkin, R., Simon, N. M., Steiner, S., COLWELL, J. A.
1970; 282 (4): 182-?

● **RENAL UPTAKE AND EXCRETION OF INSULIN IN DOG** *JOURNAL OF LABORATORY AND CLINICAL MEDICINE*

Rabkin, R., COLWELL, J. A.
1969; 73 (6): 893-?

● **Intermittent peritoneal dialysis in chronic renal failure.** *South African medical journal = Suid-Afrikaanse tydskrif vir geneeskunde*

Rabkin, R. H., Goldberg, B.
1968; 42 (41): 1095-1098

● **PROPHYLACTIC VALUE OF PROPRANOLOL IN ANGINA PECTORIS** *AMERICAN JOURNAL OF CARDIOLOGY*

Rabkin, R., STABLES, D. P., Levin, N. W., SUZMAN, M. M.
1966; 18 (3): 370-?