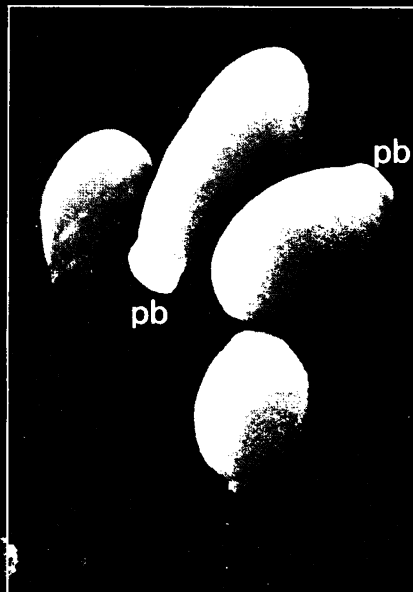
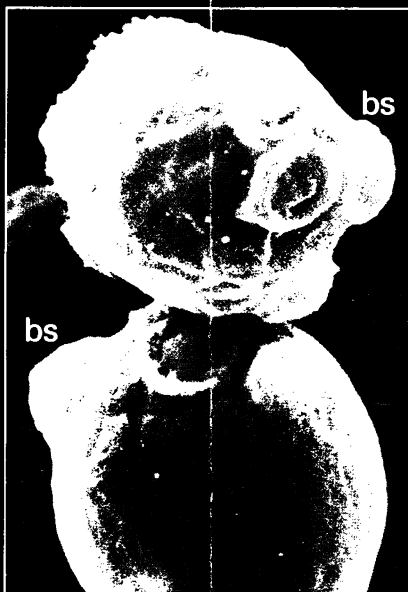


the fungicidal breakthrough

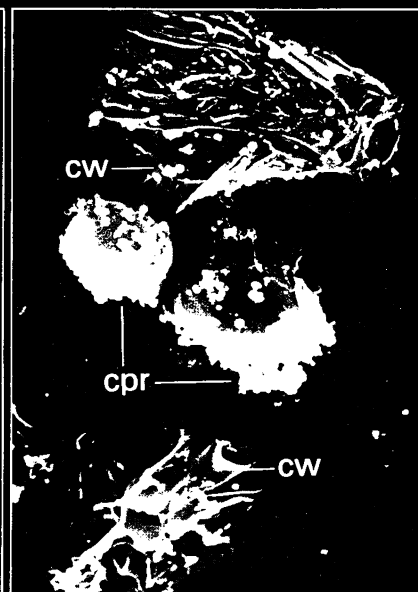
Scanning Electron Microscopic photographs of *Candida albicans* before and after treatment with miconazole.



1. Untreated cells appear as isolated yeast forms in an oval shape and with a smooth surface showing the formation of polar buds (pb).



2. Upon exposure to a fungistatic dose (10^{-7} M) of miconazole the cells tend to cluster. Budding becomes disorganized with visible budding scars (bs) that are randomly distributed over the surface of the cells.



3. Treatment with a fungicidal dose of miconazole causes the cell wall (cw) to burst. Vesicles of cytoplasm disintegrate and adhere to the surface of yet unbroken cells (cpr). (The interior of the cells is completely lytic).



the standard fungicidal treatment

Daktarin

miconazole nitrate 2 % w/w

*highly effective
in all fungal infections*

further information available on request from:



Janssen Pharmaceutica
2340 Beerse, Belgium.

or from:
Janssen Pharmaceutical Ltd.
Janssen House, Marlow, Bucks.
PL/0242/0016, 17, 47, 48, 52

Trade Marks: Brentan in Denmark and Spain, Doktor in Germany, Daktarin in all other countries.

WHY NOT SUBSCRIBE TO THE SPECIALIST JOURNALS PUBLISHED BY THE BMA:—A SELECTION INCLUDES

Archives of Disease in Childhood, British Heart Journal, British Journal of Ophthalmology, Gut, Journal of Clinical Pathology & Journal of Neurology, Neurosurgery & Psychiatry.

FULL DETAILS OF SUBSCRIPTION RATES FROM BMA SPECIALIST PUBLICATIONS: BMA HOUSE, TAVISTOCK SQUARE, LONDON WC1H 9JR
TELEPHONE 01-387 4499 EXT. 309.

Published September 1978

Supplement to BRITISH HEART JOURNAL

PREVENTION OF ARRHYTHMIAS

The Proceedings of a Symposium held at Freeman Hospital, Newcastle upon Tyne, on 12 and 13 September 1977, arranged by Professor D G Julian

Contents

Foreword *Dennis Krikler*

Anatomy of conducting tissues revisited *Robert H Anderson and Anton E Becker*

Effects of cardiac denervation on cardiac arrhythmias and electrophysiology *Donald C Harrison, Jay W Mason, John S Schroeder and Edward B Stinson*

Ventricular arrest: a possible mechanism of sudden death *Jan Pool, Anja Roodenburg, Boy Glaser and Jacobus Lubsen*

Catecholamine-induced severe ventricular arrhythmias with Adams-Stokes syndrome in children: report of four cases *Philippe Coumel, Jean Fidelle,*

Vincent Lucet, Patrick Attuel and Yves Bouvrain

Surgical treatment of ventricular tachycardia *R A J Spurrell and A J Camm*

Electrophysiology of early ventricular arrhythmias in acute myocardial ischaemia in the pig's heart *Michiel J Janse, André G Kléber, Juan Cinca and Dirk Durrer*

Some factors that influence the activity of antiarrhythmic drugs *E M Vaughan Williams*

Adrenergic influences on arrhythmias due to coronary occlusion and reperfusion *Peter B Corr, Patricia A Penkoske and Burton E Sobel*

Electrophysiological basis for the contrasting prophylactic efficacy of acute and prolonged beta-blockade *A E G Raine and E M Vaughan Williams*

Management in hospital of ventricular fibrillation complicating acute myocardial infarction *K I Lie, K L Liem, and D Durrer*

Clinical pharmacology and antiarrhythmic actions of tocainide *Donald C Harrison, Peter J Meffin, and Roger A Winkle*

Tribulations in trials: experience gained from Nottingham study of beta-adrenergic blockade in acute myocardial infarction *J R A Mitchell*

Review of the present status of drug treatment for preventing sudden death *R R H Lovell*

PRICE: Inland £1.25; Abroad U.S. \$3.50, including postage

Payment must be enclosed with order or a surcharge of 30p will be made for rendering invoices and statements

ORDER FROM: The Publisher, BRITISH HEART JOURNAL,
BMA House, Tavistock Square, London WC1H 9JR

The combination of
simple language and straightforward
line drawings has made the

ABC OF OPHTHALMOLOGY

one of the most popular series
of articles in the Medical Practice
section of the
British Medical Journal.

All the common problems
are covered—visual defects,
squints, glaucoma and
cataracts—together with detailed
instruction on examination,
diagnosis and management.

Available Soon

Price: Inland £2.50; Overseas US\$6.25

(For BMA members: Inland £2.00; Overseas US\$5.00)

Order your copy now

From: The Publisher, British Medical Journal,
BMA House, Tavistock Square, London WC1H 9JR
or any leading bookseller

VASECTOMY

No doubt you are referring suitable candidates to
surgeons for **VASECTOMY**.

Would you find a leaflet describing the operation
helpful to put in your waiting room or to hand to
interested couples?

If so, may we send you some? There is no charge
for these.

Please send requests to:

The Hon. Director,
Crediton Project,
West Longsight,
Crediton, Devon.

LANOXIN-PG

DIGOXIN TABLETS BP WELLCOME

0.0625
mg

Consistent accuracy in digitalisation

There is a Lanoxin tablet for every requirement—
Quarter strength: Lanoxin-PG Tablets (0.0625mg digoxin)
Half strength: Lanoxin-125 Tablets (0.125mg digoxin)
Full strength: Lanoxin Tablets (0.25mg digoxin)

Indications: Where digitalis therapy is required, e.g. congestive heart failure, atrial fibrillation. **Dosage:** Adults: Rapid oral digitalisation: 0.75-1.5 mg followed by 0.25 mg at six-hourly intervals until optimal therapeutic effect attained. Slow oral: 0.25-0.75 mg daily. Maintenance: All routes: 0.25-0.5 mg daily. Children under 10 years: All routes: 0.01-0.02 mg/kg bodyweight every six hours until therapeutic effect attained. Maintenance: 0.01-0.02 mg/kg bodyweight daily for a few days, then adjust dosage as necessary. **Precautions:** Digoxin requirements vary considerably between individuals and the dosages above are only a guide. The aged and those with renal disease are more susceptible to digoxin and therefore require less (except in an emergency). Combination therapy with diuretics may cause potassium loss: reduce dose until loss corrected. **Side-effects:** Principally associated with overdosage (symptoms include nausea, vomiting, fatigue, arrhythmias, bradycardia). **Presentations:** Lanoxin-PG* (Paediatric/Geriatric) Tablets (0.0625 mg, PL 3/0091) blue, coded 'Wellcome U3A'. Basic NHS cost: £0.29 for 100 tablets. Lanoxin-125* Tablets (0.125 mg, PL 3/0102) white, coded 'Wellcome Y3B'. Basic NHS cost: £0.29 for 100 tablets. Lanoxin* Tablets (0.25 mg, PL 3/0090) white, scored, coded 'Wellcome X3A'. Basic NHS cost: £0.31 for 100 tablets. Additional information is available on request. *Trade Mark.



RESEARCH IS OUR ONLY SHAREHOLDER

Wellcome Medical Division, The Wellcome Foundation Ltd., Crewe, Cheshire

If you were convinced that the population is not eating any more animal fat than it was in 1909 - would it make you stop and think?

It is sometimes said that the incidence of CHD is linked with an increasing consumption of animal fats.

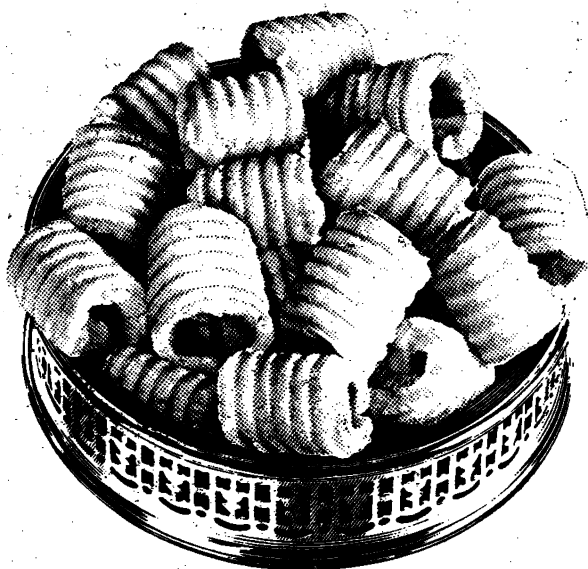
Statistics and estimates have been used to substantiate this. But are they correct?

Supposing we are not, in fact, eating any more fat now than we were seventy years ago?

Viscount Trenchard has challenged the validity of the estimates. He has shown them to be wrong.

In a recent article¹ he said that fat consumption is no higher to-day than it was in 1909. Statisticians, he said, had not, until 1974, allowed for the trend towards much leaner animals. Also, they excluded UK lard and dripping production from consumption estimates for the years before 1934.

In other words, ten per cent of carcase weight was rendered and eaten as lard, but were not added to consumption estimates.



This means that there has been no significant rise in fat consumption during the last 70 years.

Issued in the interests of balance by the Butter Information Council.

To receive occasional material on

Fats and Health write to:-

Department B.M.J. 2.
Butter Information Council,
Bank Street Suite,
158 High Street,
Tonbridge, Kent TN9 1BJ.

	Quoted Statistics	The Trenchard Formula
	grams/per day	
1909/13*	98	128
1924/28*	109	133
1934/38	130	135
1954	136	135
1963	143	135
1974	133	133
1975	130	130

*Estimates

**Butter—we've been eating it
for a thousand years**

Peptic Ulcer News

"We compared cimetidine with conventional medical treatment. Carbenoxolone was chosen for patients under 60, but because of its potential side effects – namely, hypokalaemia, fluid retention, and hypertension – older patients were given Caved-(S)."

"In the patients under 60 cimetidine was slightly more successful in producing ulcer healing than carbenoxolone."

"In patients over 60 there was no appreciable difference in gastric ulcer healing rates between the Caved-(S)-treated and cimetidine-treated groups. Caved-(S) used in the dosage employed in this study, however, is only a quarter of the price of cimetidine, and may have fewer side effects."

Morgan AG et al (1978) *BMJ*, 2, 1323-1326

Caved-S contains Deglycyrrhizinized Liquorice., Bism. Subnit., Alum. Hydrox., Mag. Carb., Sod. Bic., Frangula., and is indicated in the treatment of peptic ulcers.

The usual adult dose for the treatment of peptic ulcers is 2 tablets 3 times daily, and for duodenal ulcers this may be increased to 2 tablets 6 times daily. For prophylaxis, half this dose is used, and children should be given half the adult dose.

Basic NHS price of 60 tablets is £1.45 ex 600 pack. PL 0424/5000.

Full prescribing information is available to the medical profession on request.

TILLOTTS LABORATORIES
Henlow Trading Estate, Henlow, Beds.

New Books from W. B. Saunders

CAMPBELL'S UROLOGY (4/e) (Vol. 1)

by Harrison *et al*

The fourth edition of this classic work — with every chapter completely rewritten — provides up-to-date, comprehensive coverage of all aspects of urologic disorders and diseases of the genitourinary system. All the most sophisticated new techniques are covered, including ultrasonography, CT scanning, angiography and excretory urography.

0 7216 4540 2 (Vol 1) Hardback £32.50

Published October 1978 (3-volume set totalling approx 3,000pp and approx 1,000 illustrations)

THE RADIOLOGY OF JOINT DISEASES (2/e) (SMCR 2)

by Forrester, Brown & Nesson

0 7216 3822 8 Hardback approx £24.25

Published January 1979

GRAY-SCALE ULTRASOUND PROCEDURES

by Bartrum and Crow

0 7216 1548 1 Hardback approx 220pp

approx 170 illus. £10.50 Published April 1978

DIAGNOSIS OF DISEASES OF THE CHEST Vol 2 (2/e)

by Fraser and Paré

0 7216 3853 8 Hardback £18.00

Published April 1978

ATLAS OF ECHOCARDIOGRAPHY

by Salcedo

0 7216 7901 3 Hardback £10.50

Published April 1978

RADIOLOGY OF TRAUMA

by Birzle *et al*

0 7216 1703 4 Hardback approx 365pp

illustrated £42.00

Published June 1978 (UK rights only)

AN ATLAS OF OTOLARYNGOLOGIC RADIOLOGY

by Zizmor and Noyek

0 7216 9713 5 approx 510pp illustrated

£24.50 Published July 1978

PATHOLOGY OF THE PLACENTA (MPP VII) (UK TITLE)

by Fox

0 7216 3831 7 Hardback approx 512pp

approx 261 illus. £18.50

Published July 1978

INTERPRETATION OF RENAL BIOPSY (MPP VI)

by Striker, Quadracci and Cutler

0 7216 8620 6 Hardback £18.00

Published May 1978

Prices correct at the time of going to press.

If you experience any difficulty in purchasing from your local bookshop please contact the publishers direct:

W. B. Saunders Company

1 St Anne's Road Eastbourne
East Sussex BN21 3UN England
Telephone: (0323) 638221

When ordering from W. B. Saunders, please specify the Author, Title and SBN number. Payment can be made by cheque, sterling bank draft or by Credit card* — American Express, Diners Club, Visa, Access.

*Please indicate which Credit card, and the card number. Books are despatched post free.

Come in number '99'



In local health schemes and group practices throughout the country, there is growing interest and increasing usage of two-way radio. Its benefits are many, yet costs per vehicle fitted, even on a small tailor-made system, can work out well under £5 a week.

Come and hear how two-way radio is already working in Health Schemes similar to yours. It's not just a matter of time saving and efficiency. The sheer convenience of your own local two-way radio system will gladden your heart. Be our guests. We promise you an entertaining and informative day. Just complete the coupon. We will send you full details by return.

Telecom Symposia '79 for Health Make a date in your diary now!

COVENTRY	March 20th
LONDON	April 24th
GLASGOW	May 8th
LEEDS	May 15th

In addition to these exclusive Health Schemes Symposia, our mobile exhibition of two-way radio will be visiting neighbouring towns near to the dates shown above. If you cannot manage a full symposium session (but do try) ask for details of the Telecom roadshow programme.



To Mike Tester,
Pye Telecom Symposia '79 for Health,
Freeport, Cambridge CB4 1BR.

I would like to visit (venue) _____
on (date) _____. Please reserve my place.
Please send me full details of Symposia '79 for
me to consider ☐

Name _____

Position _____

Company _____

Address _____

Tel. No. _____

How to
radiocommunicate.
An invitation
to examine systems
which save you
time, trouble and
money.

62/BMJ/3/3



This case will cut your surgery time.

Every doctor is aware that precise values are necessary when measuring a patient's blood pressure. In the past it has been necessary to use a stethoscope to listen to cardiac sounds as well as observe the reading on the measuring instrument.

Until now!

Tonotest, a new instrument by Bosch solves all handling and reading problems precisely and quickly. It works electronically and provides a dual indicator principle.

With the automatic measuring process the first indicator gives the systolic reading. The second indicator gives the diastolic reading. Both readings are retained until released, which means that notes

can be taken without haste.

Tonotest provides a greater evaluation of information for the physician, for with its electronic system of dual indication it provides a new concept in measuring blood pressure.

Physicians will readily appreciate this combination of speed and accuracy and the important part it can play in the screening programme instituted by the BMA.

For further information write to:

R. W. Lawrence, F.S.H.A.A., Managing Director,
Amplivox Limited, Freepost, Beresford Avenue,
Wembley, Middlesex HA0 1BR. Telephone: 01-902 8991.
Amplivox Ltd.—a member of the **RACAL** Electronic Group.

TONOTEST

for decisive blood pressure readings

STATISTICS AT SQUARE ONE

by T. D. V. SWINSCOW

from the British Medical Journal

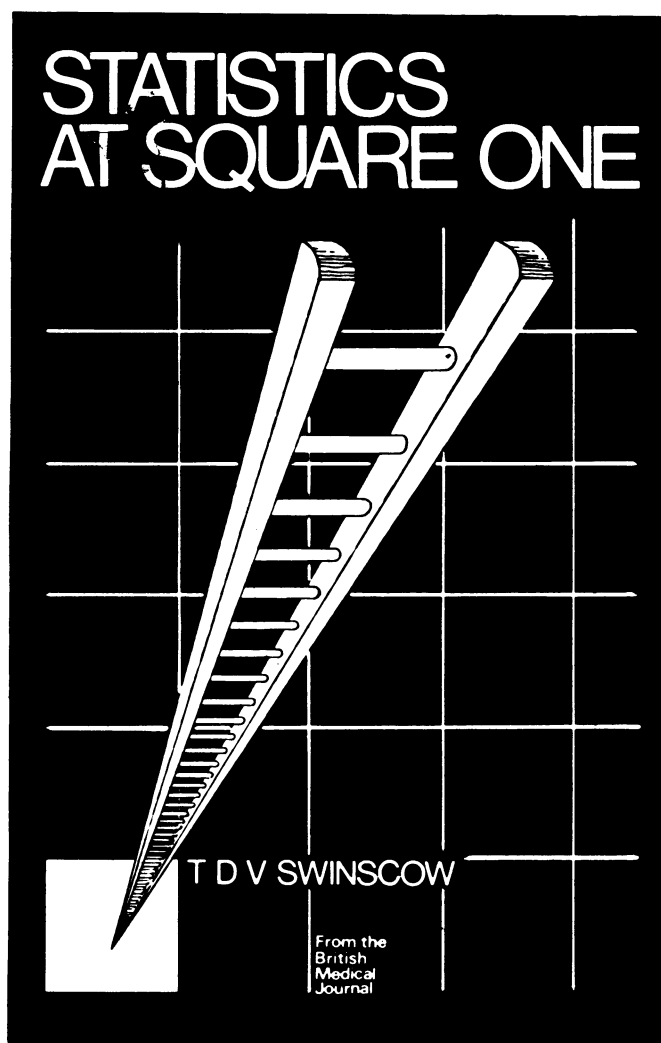
The statistical testing of data is indispensable in many types of medical investigation and a help on countless occasions in clinical practice. This book provides step-by-step instruction. Subjects covered include standard deviation, χ^2 tests, t tests, non-parametric tests and correlation. Methods specially adapted to pocket calculators.

"The ability to put symbols in sequence may well be one of the greatest advances in man's development. . . . This excellent and attractive volume will give you an idea into which category an article or projected article fits. The ink you save may be your own. It is superb value."

O'Donnell, Barry, *British Medical Journal*, 1977, 1, 451.

"... this gem of a practical booklet squeezes the essence of biostatistics into 75 well-written, well-organized pages. Newcomers to the field will like the way obscure concepts are clarified; experts will find the book valuable as a teaching aid."

de Jong, Rudolph H., *J.A.M.A.*, 1977, 237, 1874



Fourth edition

Now available

**PRICE: Inland £2.00
Overseas US\$5.00**

Payment must be enclosed with order or a surcharge of 30p will be made for rendering invoices and statements

ORDER YOUR COPY NOW

*From: The Publisher,
British Medical Journal,
BMA House,
Tavistock Square,
London WC1H 9JR*

or through any leading bookseller

**First Impression 1974
Reprinted 1978**

MEDICINE IN OLD AGE

The series of twenty two articles published in the *British Medical Journal* have been collected in book form as a convenient source of reference for general practitioners. The emphasis is on remedial mechanisms, and the use that can be made of psychogeriatric and social services in keeping the elderly healthy and relatively independent members of the community.

Demy Octavo

Paperback

175 pages

ISBN 0 900221 93 3

Price: Inland £2.00; Abroad US\$5.00 including postage

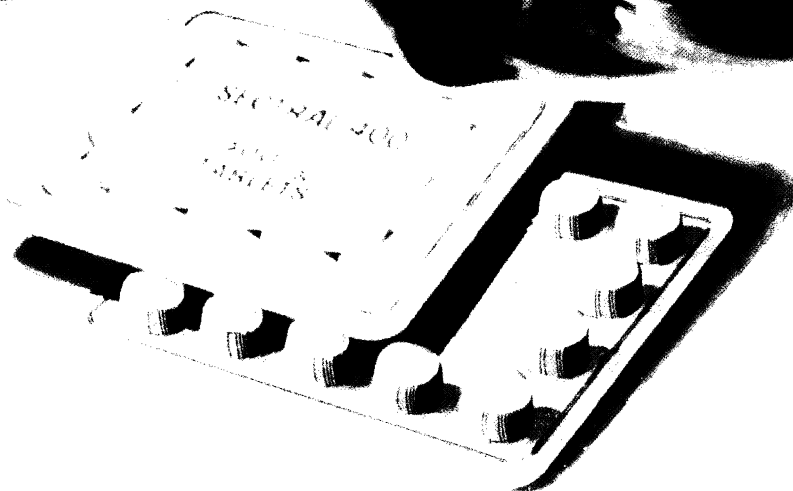
Payment must be enclosed with order or a surcharge of 30p will be made for rendering invoices and statements

ORDER YOUR COPY NOW

From: The Publisher, British Medical Journal, BMA House,
Tavistock Square, London WC1H 9JR
or through any leading bookseller



TAKE ONE



Sectral 400

ACEBUTOLOL

Once daily anti-hypertensive

The handy calendar pack of 'Sectral 400' serves as an instant reminder for hypertensive patients. There's none of those "Did I or didn't I?" problems about daily medication. What's more, 'Sectral 400' is as effective given in single as in divided doses, with a low incidence of side effects.*

Select 'Sectral 400' – the simple day-by-day treatment for hypertension.

Further information in data sheet.

*Ashton, W. L., Curr. Med. Res. Opin., (1978), 5, 347.

'Sectral 400' is a trade mark of May & Baker Ltd., Dagenham, Essex RM10 7XS.



M&B May & Baker

A member of the Rhône-Poulenc Group of Companies



Dosage (hypertension): oral, 400 mg once daily at breakfast. If inadequate increase to 800 mg (or occasionally 1200 mg) divided dose daily. (See Data sheet for injection indications)
Contraindications: cardiogenic shock; heart block. Precautions: with bradycardia, heart failure signs, catecholamine-depleting drugs, asthma. If preferred, discontinue 24–48 hours before anaesthesia. Side effects: none serious. Rare hypotension, bradycardia, gastro-intestinal effects, depression, rashes. Discontinue if rashes or dry eyes encountered. Presentation: Pl 0012/0100

DON'T FORGET

As a fast acting diuretic

Burinex^{*} K

bumetanide and slow-release potassium chloride

is unbeatable...

as a potassium
supplement it's
unforgettable

Your patients rarely forget to take their 'water pill' but all too frequently fail to take their potassium supplement if you prescribe it separately.¹ Burinex K solves this problem because Burinex the 'most effective natriuretic agent'² 'coats' the potassium core - to make it truly unforgettable. In addition - because of the shape and size - it's easier to swallow than the most commonly used potassium supplement alone.³

Burinex K in CCF right from the start

1. Brit. Med. J., 618, 2, 1977

2. Acta med. scand., 119, 193, 1973

3. J. Int. Res., 104, 3, 1975

