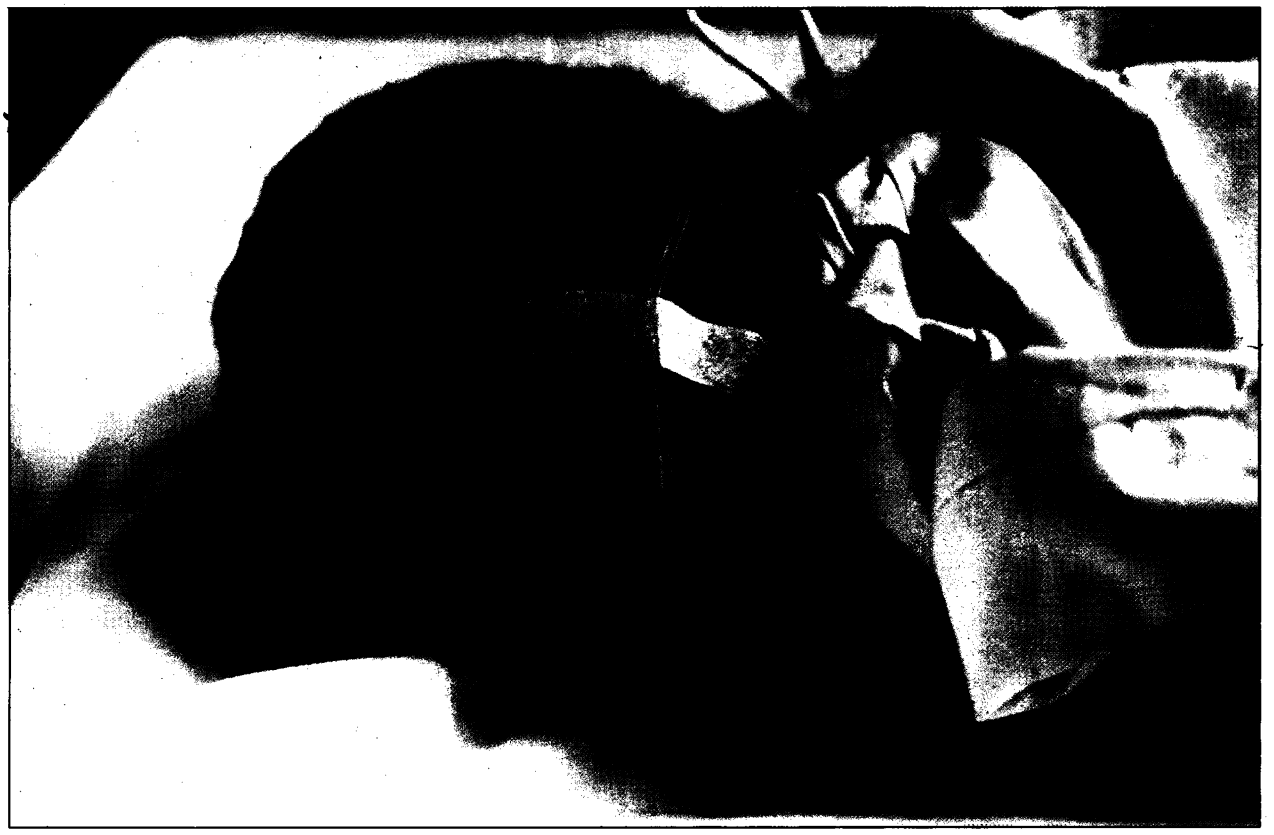
Some infants are ahead of their time.



Fortunately, so are we.

Cow & Gate has been looking after the nutritional needs of infants for over 90 years. During that time, we've created the widest range of formulas and foods for normal infants and those with very special needs.

The low birth weight baby is one of them.

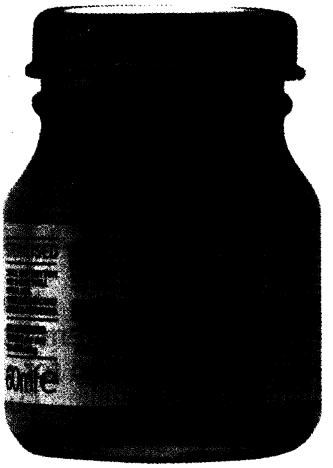
Our Low Birth Weight Formula was specially created to provide higher energy and nutrient levels, at a lower volume than might otherwise be obtained from breast-milk or standard infant formula – an important consideration in the prevention of problems associated with immature digestive systems.

This formulation was one of the first designed to meet the guidelines set out by ESPGAN, the European Society of Paediatric Gastroenterology and Nutrition.

And it still offers the lowest osmolality and lowest renal solute load of any low birth weight formula available today.

Cow & Gate Low Birth Weight Formula. Well-absorbed. Proven well-tolerated.

And just one of an ever increasing range of infant formulas and foods from a specialist ahead of its time.



Extra nourishment when it's needed most

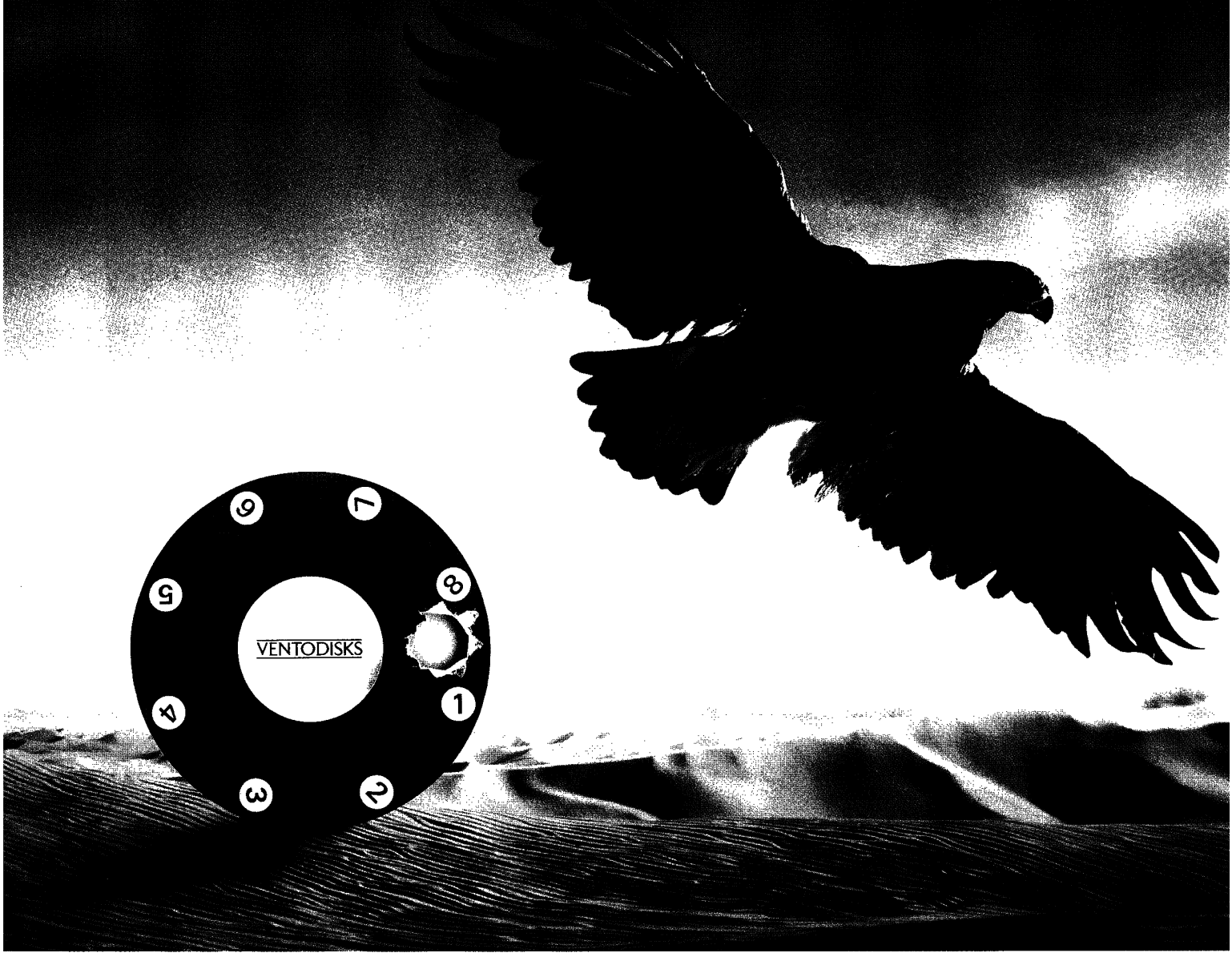
Cow & Gate

Convenient 60ml size means less waste

Breastmilk is the best food for babies. The purpose of infant milk formula is to replace or supplement breastmilk when a mother cannot or chooses not to breastfeed. The cost of infant milk formula should be considered and medical advice taken before deciding how to feed a baby. For further information contact Cow & Gate, Medical Department, Trowbridge, Wiltshire BA14 8YX. (0225 768381.)

VENTODISKS
(Salbutamol BP)

Making sure Ventolin gets through



Ventodisks (Salbutamol BP)
Abridged Prescribing Information: (Please refer to full data sheet before prescribing.)
Uses: Treatment and prophylaxis of acute and chronic bronchospasm.
Dosage and administration: *Adults:* Ventodisks – 400 micrograms, as a single dose or three to four times daily. *Children:* Ventodisks – 200 micrograms, up to four times daily.
Contra-indications: Threatened abortion during first or second trimester. Hypersensitivity.
Precautions: If previously effective dose lasts less than three hours, seek medical advice. Caution in patients with thyrotoxicosis. Avoid use with non-selective beta-blockers. *Pregnancy:* Avoid unnecessary use during early pregnancy.
Side-effects: Mild tremor, headache occur rarely. Very rarely – transient muscle cramps and hypersensitivity reactions. Paradoxical bronchospasm could occur – substitute alternative therapy.

Presentation and Basic NHS cost: Ventodisks – pack of 14 Ventodisks each containing 8 x 200 micrograms Salbutamol BP (as sulphate) – light blue or 8 x 400 micrograms Salbutamol BP (as sulphate) – dark blue, together with a Ventolin Diskhaler. For inhalation. £7·11 and £12·02. Refill pack of 14 x 8 Ventodisks 200 micrograms or 14 x 8 Ventodisks 400 micrograms £6·54 and £11·45.
Product licence numbers: Ventodisks 200 micrograms 0045/0134, Ventodisks 400 micrograms 0045/0135.

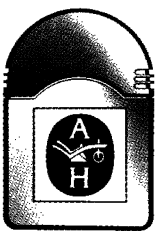
ALLEN & HANBURYS

Full prescribing information is available on request from: Allen & Hanburys Limited Greenford, Middlesex UB6 0HE

Ventodisks should only be used with a Ventolin Diskhaler Diskhaler, Ventodisks and Ventolin are trade marks

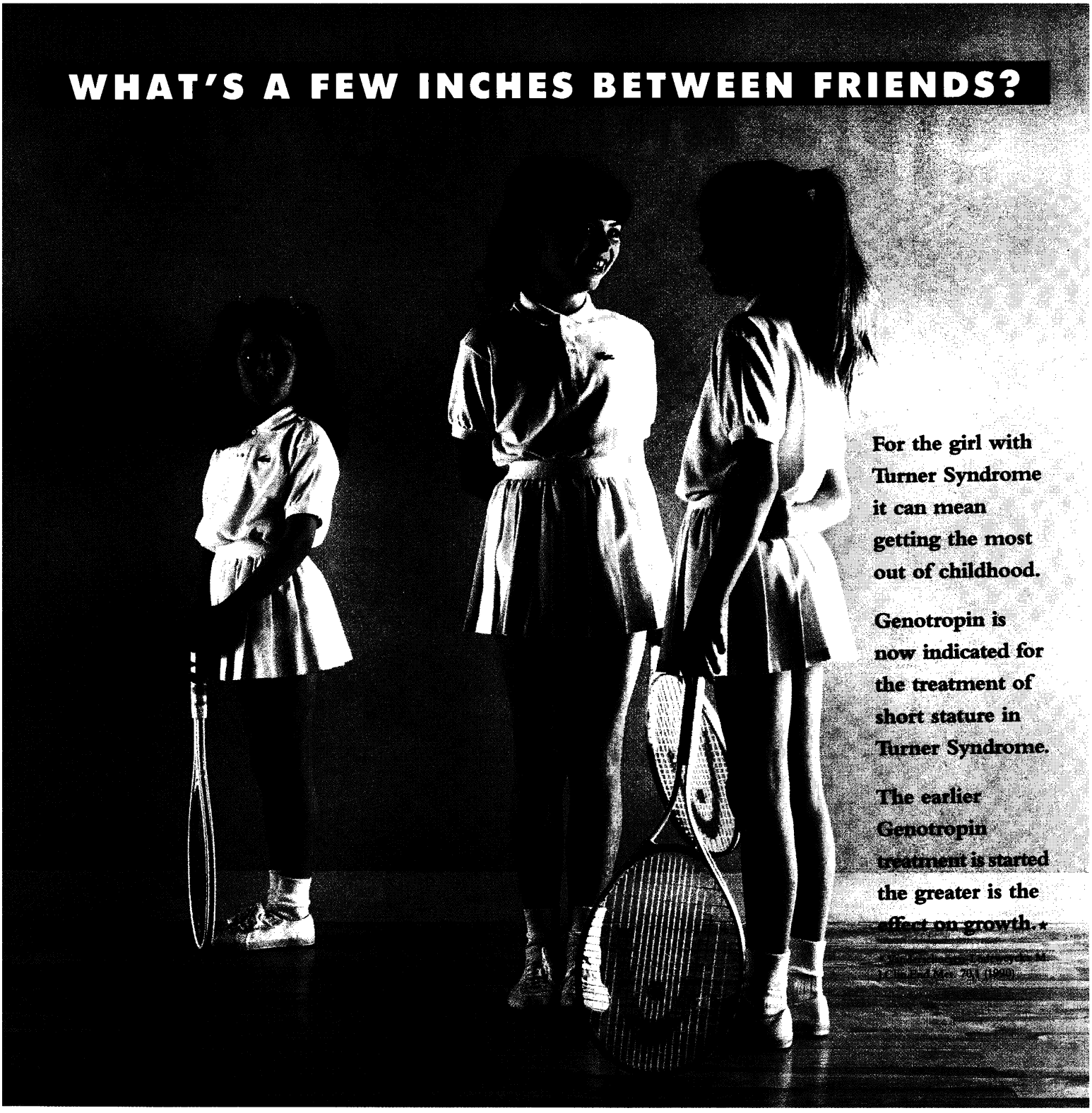
Ventodisks is a dependable breath-operated system delivering Ventolin to the lungs without the need for synchronisation.

Furthermore, the disks provide a simple visual check on the number of doses delivered – an advantage for both children and adults.



VENTODISKS
(Salbutamol BP)

WHAT'S A FEW INCHES BETWEEN FRIENDS?



For the girl with Turner Syndrome it can mean getting the most out of childhood.

Genotropin is now indicated for the treatment of short stature in Turner Syndrome.

The earlier Genotropin treatment is started the greater is the effect on growth.*

* [illegible]

Genotropin™

somatropin (rbe)

GROWTH SERVICE
KABI

ABBREVIATED PRESCRIBING INFORMATION **Presentation** *Genotropin 12IU Multidose* A vial of sterile lyophilised powder containing 12 IU somatropin (rbe) supplied with 3 ml of Water for Injections with 0.25% m-cresol for reconstitution. *Genotropin 4IU* A vial of sterile lyophilised powder containing 4 IU somatropin (rbe) supplied with 1 ml of Water for Injections. **Indications** The treatment of short stature caused by decreased or absent secretion of pituitary growth hormone. The diagnosis should be verified by a specialist medical practitioner. Short stature in gonadal dysgenesis (Turner Syndrome). **Reconstitution** Add 3 ml of Water for Injections with 0.25% m-cresol to the 12 IU and 1 ml Water for Injections to the 4 IU in the vial. Dissolve the drug gently without shaking vigorously. **Dosage and Administration** Administer by subcutaneous injection. Generally a dose of 0.5 – 0.7 IU/kg body weight per week is recommended divided into six or seven subcutaneous injections. In Turner Syndrome a dose of 1.0 IU/kg body weight per week is recommended. **Contra-Indications** Only patients with unfused epiphyses should be treated. **Precautions** Patients with diabetes mellitus may require adjustment of their antidiabetic therapy. Patients treated with Genotropin should be regularly assessed by a child growth specialist. The injection site should be rotated to prevent lipoatrophy. **Pregnancy and Lactation** In the event of pregnancy occurring during Genotropin therapy, treatment should be discontinued. No information is available as to whether peptide hormones pass into breast milk. **Side-Effects** A few children have developed transient local reactions. In Turner Syndrome temporary exacerbation of lymphoedema has been reported. Antibodies towards growth hormone may be formed in some patients but these antibodies rarely have clinical significance. **Pharmaceutical Precautions** Store between 2-8°C and protect from light. Reconstituted Genotropin 12 IU Multidose may be used over a period of 21 days if kept in the refrigerator. Genotropin 4 IU is for single use only. **Legal Category** POM. **Package Quantities** *Genotropin 12 IU Multidose* Combined pack containing one vial of somatropin (rbe) 12 IU and one ampoule of 3 ml Water for Injections with 0.25% m-cresol. *Genotropin 4 IU* Two pack sizes of Genotropin 4 IU are available: a combined pack containing one vial of somatropin (rbe) 4 IU and one ampoule of 1 ml Water for Injections; and a combined pack containing ten vials of somatropin (rbe) 4 IU and ten ampoules of 1 ml Water for Injections. **Product Licence Numbers** Genotropin 12 IU Multidose PL 0022/0079. Water for Injections with 0.25% m-cresol PL 0022/0081. Genotropin 4 IU PL 0022/0071. Water for Injections PL 0022/0082. **Price** NHS Prices: 12 IU Multidose £91.50 4 IU £30.50 10 x 4 IU £305.00. **Product Licence Holder** KabiVitrum Ltd, Dukes Meadow, Millboard Road, Bourne End, Bucks SL8 5XF: Further information is available on request from the Product Licence Holder. ▼ SPECIAL REPORTING TO CSM REQUIRED

KABI

KV 985 3/90

Specially for kids

Fortison® Paediatric has been specifically formulated for young children requiring a nasogastric tube feed. It is a balanced, sterile feed, based on the 1988 BDA Paediatric and PEN Group Joint Working Party guidelines.[1]

Furthermore, Fortison® Paediatric is ready-to-use and has the advantages of saving time, and reducing inaccuracy of nutrient levels and contamination risks, compared with modified adult formulas.

To help patients and ward staff with feeding time, Cow & Gate will be providing a range of MR MEN educational and fun items.

Fortison®
paediatric

ready-to-use nasogastric feed

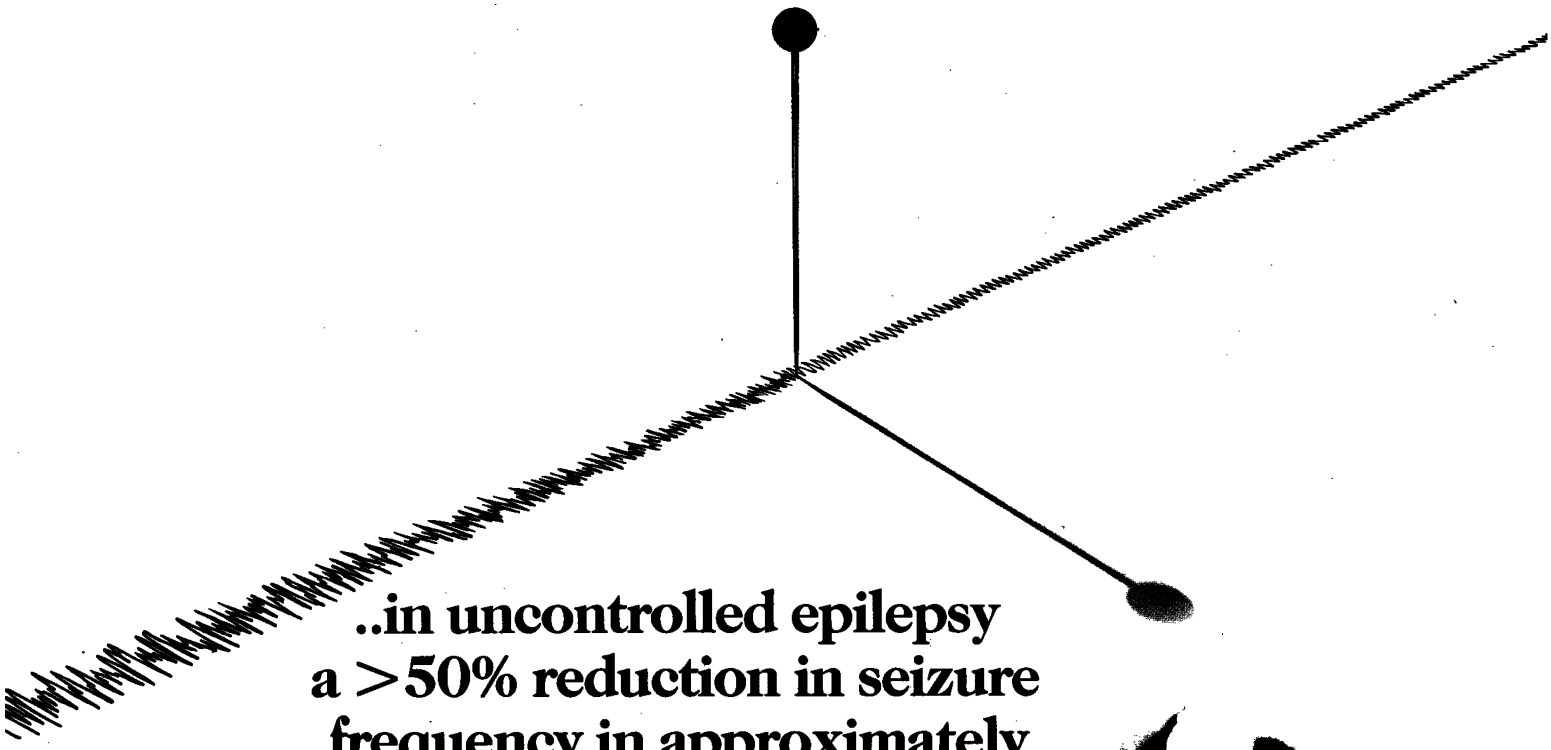
1. Paediatric Enteral Feeding Solutions and Systems. A Report by the Joint Working Party of the Paediatric Group and the Parenteral and Enteral Nutrition Group of the British Dietetic Association, 1988.

Cow & Gate CLINICAL CARE

Leaders in scientific nutrition Cow & Gate House, Trowbridge, Wiltshire BA14 8YX. Tel: 0225 768381

Fortison is a trademark CC421/5/90

A breakthrough in seizure control...



..in uncontrolled epilepsy a >50% reduction in seizure frequency in approximately 50% of patients[1]

- No therapeutically significant drug interactions with other anti-convulsants[2-5]*
- Flexible dosing - once or twice daily

SABRIL®

VIGABATRIN

Specific GABA-transaminase inhibition for uncontrolled epilepsy

**Decreases of about 20% in plasma phenytoin levels have been reported but these are unlikely to be of therapeutic significance.*

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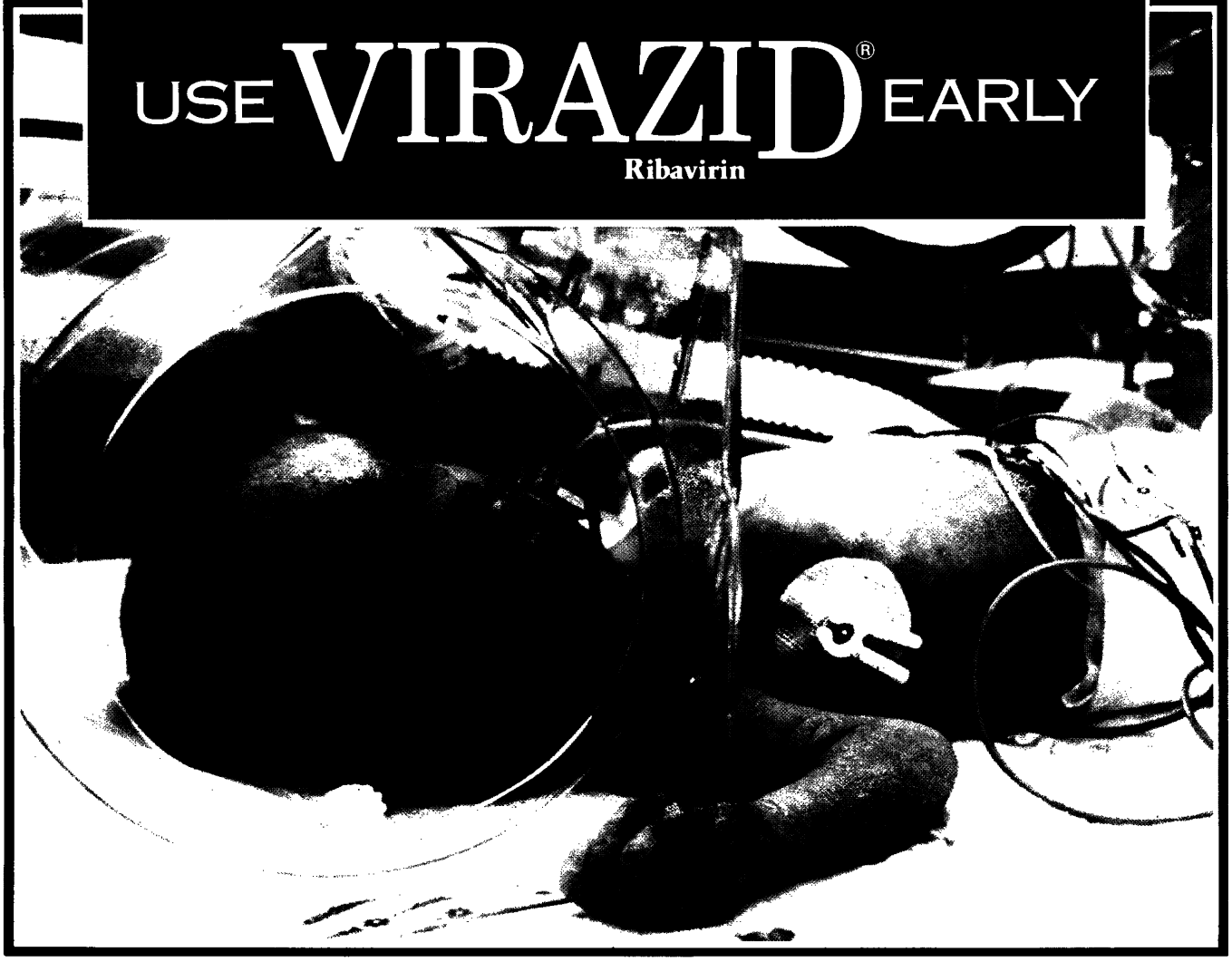
Abridged Prescribing Information and references appear on the following page.

SAB 5 90

RSV POSITIVE?

USE VIRAZID® EARLY

Ribavirin



YOU CAN TREAT THE INFECTION NOT JUST THE SYMPTOMS

Prescribing Information ▼

Indications
Virazid is indicated in the treatment of infants and children with severe respiratory syncytial virus bronchiolitis.

Dosage
Treatment is carried out using a small particle aerosol generator (SPAG) for 12-18 hours per day for at least 3 and no more than 7 days. The concentration of ribavirin in the reservoir is 20mg/ml in the SPAG unit and the average concentration for a 7 hour period is 0.19mg/l of air.

Presentation
Virazid is a sterile lyophilised powder of ribavirin to be reconstituted for aerosol administration. Each 100ml glass vial contains 6g of ribavirin and, when reconstituted to the correct volume of 300ml with Water for Injections BP, will contain 20mg/ml ribavirin at a pH of approximately 5.5.

Contra-Indications
Ribavirin is contra-indicated in females who are or may become pregnant and it should be noted that ribavirin can be detected in human blood even four weeks after oral administration has ceased.

Precautions
In infants requiring assisted ventilation, Virazid should only be used when there is constant monitoring of both patients and equipment.

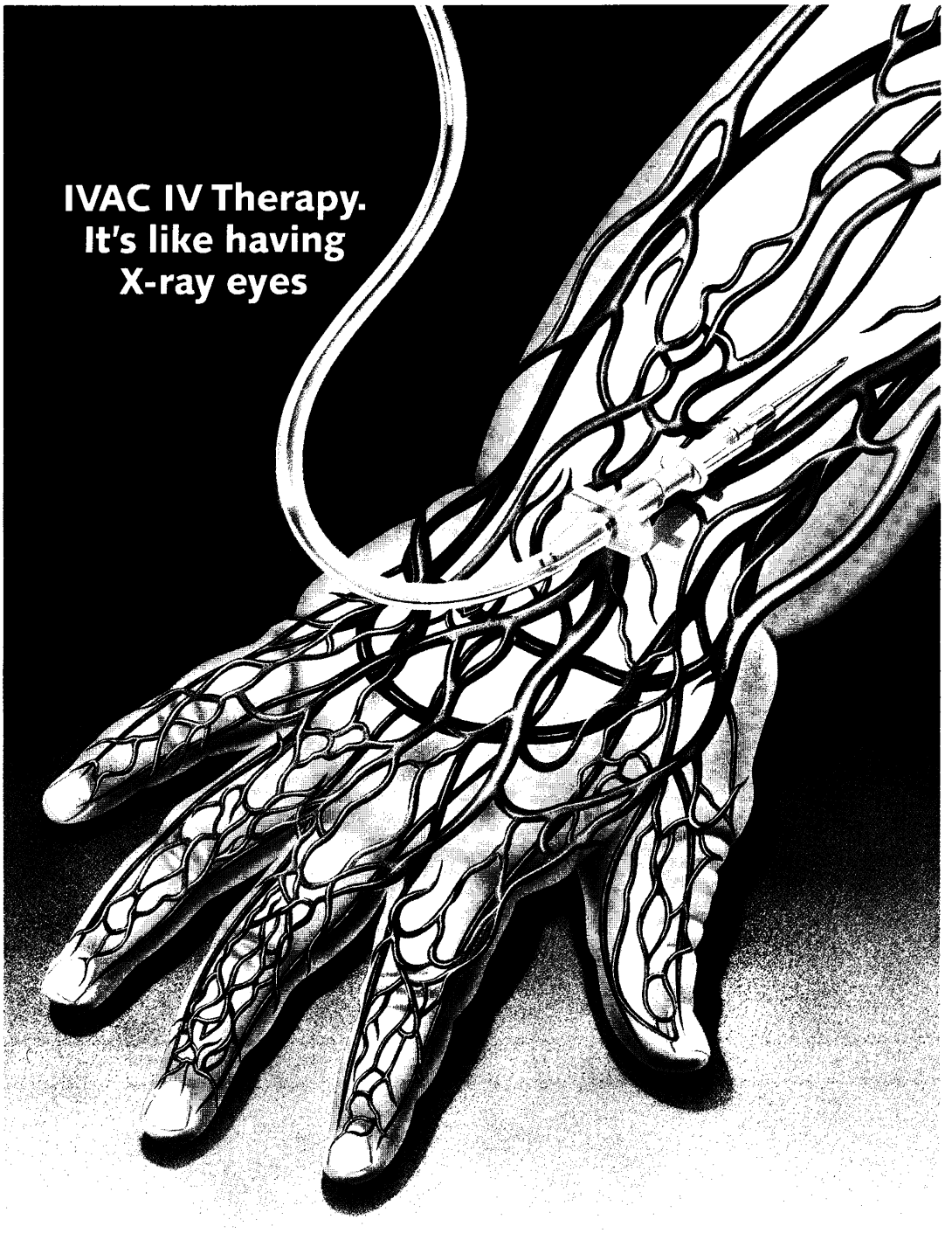
Side Effects
Several serious adverse events occurred in severely ill infants with life-threatening underlying disease many of whom required assisted ventilation. These events included worsening of respiratory status, bacterial pneumonia and pneumothorax. The role of ribavirin aerosol in these events has not been determined.
Anaemia has been reported with oral and intravenous administration but no such incidents have been reported with aerosol administration. Reticulocytosis has been reported with aerosol use.

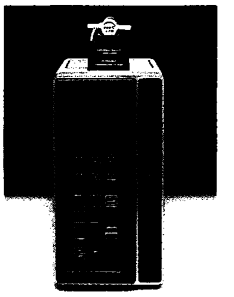
Warnings
Precipitation of the drug in respiratory equipment and consequent accumulation of fluid in the tubing has caused difficulties for patients requiring assisted ventilation.
In infants requiring assisted ventilation Virazid should only be used when there is constant monitoring of both patients and equipment.
Directions for use during assisted ventilation are given in the SPAG manual which should be read carefully before such administration.

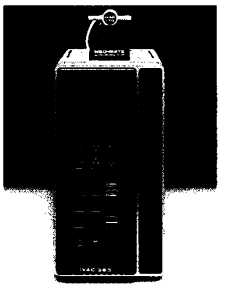
Full prescribing information is available upon request.

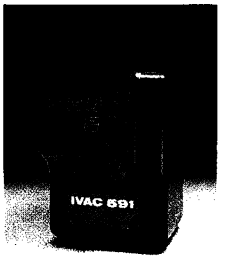
▼ Special reporting to the CSM required.

Basic NHS Price: 1 × 6g vial £195.
Product Licence Number : 4657/0004
Product Licence Holder : Viratek Inc. USA
Supplied By : Britannia Pharmaceuticals Ltd
Forum House
41-51 Brighton Road
Redhill, Surrey,
RH1 6YS









Unfortunately, the most common causes of IV complications are not always visible to the naked eye, so you have to trust the IV instrument to help you.

Imagine a blocked IV, the patient stops receiving critical medication, or imagine a vesicant solution, such as potassium which is being infused interstitially due to an infiltration.

You need to know about it fast. Fast enough to take corrective action before the patient is at risk.

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Fast warning of IV problems, consistent, accurate delivery and simple operation all helps take the risk out of IV therapy.

And unless you've got X-ray eyes IV therapy can really be like working in the dark.

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"It's elemental my dear Watson"

new

For the effective nutritional care of infants with malabsorption problems, the answer may be elemental.

Pepti-Junior is a balanced elemental feed, which is easily digested and well absorbed.[1-4] It has been specially developed for infants and young children with digestive or malabsorption problems and/or severe food intolerances.

Pepti-Junior is well tolerated,[1] with a highly palatable taste.

The formulation comprises hydrolysed whey protein, glucose syrup, MCT oil, maize oil, minerals and vitamins.

Osmolality is low at 210 mosmol/kg H_2O.

Pepti-Junior is ACBS prescribable, and the latest addition to the extensive Cow & Gate range of Specialised Formula Foods.

PEPTI-JUNIOR

Cow & Gate

The balanced elemental formula for infant malabsorption

References 1. Taylor CJ, Jenkins P, Manning D *Clinical Nutrition*, 1988; **7:** 183-190. 2. Keohane PP, Grimble GK, Brown B et al. *Gut*, 1985; **26:** 907-913. 3. Silk DBA et al. *JPEN*, 1980; **4:** 548-553. 4. Silk DBA et al *Gut* 1979; **20:** 291-299. Breast milk is the best milk for babies. PEPTI-JUNIOR has been prepared for infants with impaired gastrointestinal function and/or severe food intolerances. PEPTI-JUNIOR should only be used under strict medical supervision. For further information contact Cow & Gate, Medical Department, Trowbridge, Wiltshire BA14 8YX. (0225 768381).

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Calculate with confidence

CIA software

Confidence Interval Analysis (CIA) is a computer program that takes the sweat out of calculating confidence intervals. Devised by Martin Gardner, professor of medical statistics, MRC Environmental Epidemiology Unit, University of Southampton. The program is menu driven with easy access to each chapter and to the method required within each chapter. Topics covered include calculating confidence intervals for:

- means and their differences
- proportions and their differences
- regression and correlation
- non-parametric analyses

For each method relevant intermediate statistics and the required confidence interval are produced on the screen. Complete with its own manual, the program may also be used in conjunction with the book *Statistics with Confidence,* which provides numerous worked examples. The software is available for IBM compatibles on either a 5¼″ or a 3½″ disk.

Price: £65.00. Educational establishments, research institutes, and the NHS — £45.95. Prices include VAT in the UK and air mail despatch abroad.

The book *Statistics with Confidence – Confidence intervals and statistical guidelines* is available price £7.95 in the UK and £9.50 abroad (BMA members £7.45 and £9.00, respectively)

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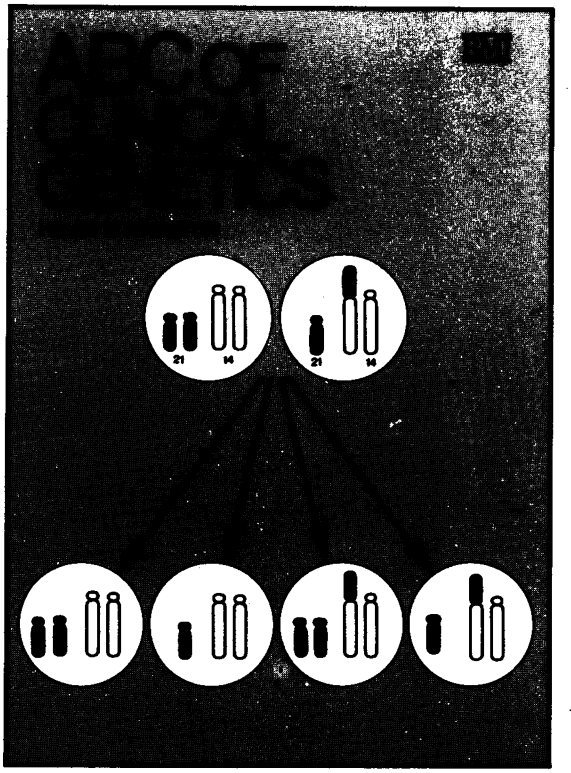
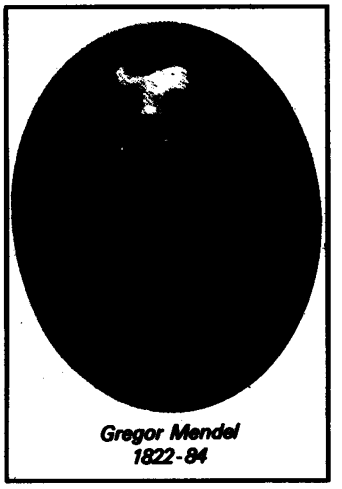
Genetics is a subject fundamental to medicine, but rapid advances in recent years may make the subject complex and confusing to clinicians and paramedical staff outside the specialty. Nevertheless, the demand for genetic investigation and counselling is increasing, and these services need to be offered by clinicians other than clinical geneticists. In the *ABC of Clinical Genetics* Helen Kingston, consultant clinical geneticist at St. Mary's Hospital, Manchester, reviews basic concepts of inheritance in mendelian, chromosomal, and multifactorial disorders; outlines the investigation and management of genetic conditions; and illustrates the application of recombinant DNA technology to clinical practice. Implications of genetic diseases for relatives are also considered, together with the ethical and human dilemmas that face doctors and patients and their families.





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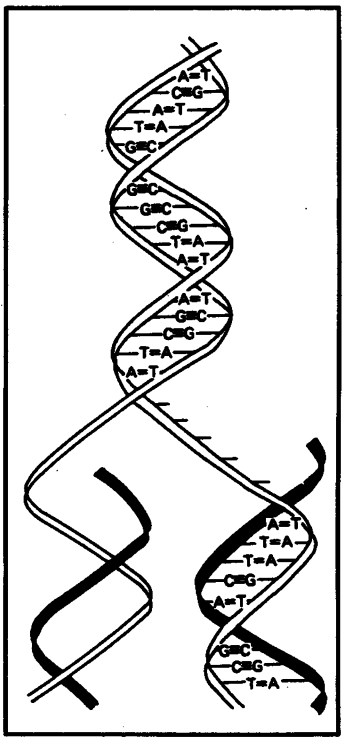
1822-84



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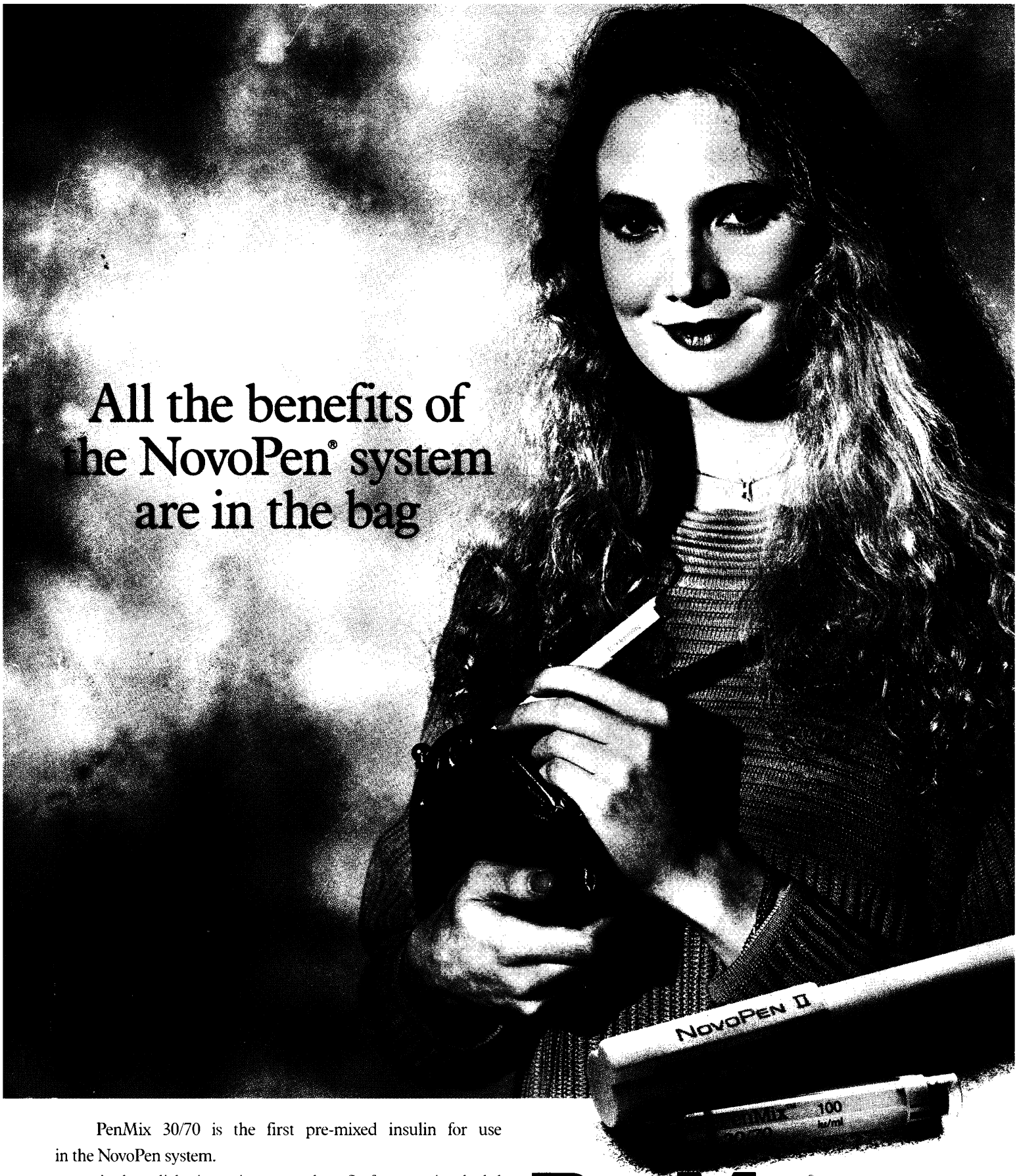

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At last diabetic patients can benefit from a simple bd insulin regimen with the added convenience of NovoPen II.

INTEGRATED DIABETIC CARE

PENMIX® 30/70

Human pre-mixed neutral and isophane insulin (pyr)

Abbreviated Prescribing Information PenMix® 30/70 100iu/ml (Biphasic Isophane Insulin Injection 30/70, Human Insulin (pyr)). **Indications:** The treatment of insulin-requiring diabetics. **Dosage and Administration:** The dosage is determined by the Physician according to the needs of the patient. Given by subcutaneous injection and intended for use in the NovoPen and NovoPen II injection devices only. (See instructions for use of devices.) Resuspend before use by agitating up and down. **Contra-indications:** Hypoglycaemia. **Precautions:** Injections of PenMix 30/70 should be followed by a meal within 30 minutes of administration. A dosage reduction may be required on transfer from bovine or mixed species insulin. Reduction of early warning symptoms for hypoglycaemia reported by a few patients on transfer from animal source to human insulin. Beta blockers, MAOI's and alcohol may enhance hypoglycaemic effect of insulin. Corticosteroids, thyroid hormones, oral contraceptives may increase insulin requirements. **Use in Pregnancy:** Insulin requirements usually fall during first trimester and increase during second and third trimester. **Side-effects:** Lipodystrophy, insulin resistance and hypersensitivity are rarely reported with human insulin. **Product Licence Number and Basic NHS Price:** PL 4668/0020, 5×1.5ml cartridges £8.10. **Product Licence Holder:** Novo Nordisk A/S, Novo Alle, DK-2880 Bagsvaerd, Denmark. **Sole Distributor:** : Farillon Limited, Ashton Road, Harold Hill, Romford, Essex RM3 8UE. **Further Information is available on request from:** Novo Nordisk Pharmaceuticals Ltd, Novo Nordisk House, Broadfield Park, Brighton Road, Pease Pottage, Crawley, West Sussex RH11 9RT. Tel: 0293 613555. Fax: 0293 613535.
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