

**AUDIO-VESTIBULAR**

**DATA**

**MANAGEMENT**

**SYSTEM**

**VER – 2007**

(One of the most advanced software for balance disorder)

Author

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Developed & Marketed By

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# Modules

1. **Basic Software – Core** – Patient Management, Self Diagnosis Module and Data Administration, Password Manager, Data backup.
2. **Neurological/Balance Disorder Module** – History Sheet and Clinical Examination.
  - **ENG TEST** - Calibration, Pendulum tracking test, Test for Spontaneous Nystagmus, Test for Gaze Nystagmus, Positional Nystagmus, Optokinetic test, Calorific test, Fistula test, Clinical opinion, Butterfly chart,
  - **CCG TEST** - Stepping test, Rombergs test, W.O.F.E.C test, Clinical opinion
  - **Rehab Exercise charts**
  - **Other investigations prescription pads reports**
3. **Prescription Manager** with Drug Database, Predefined Prescription Pads, Other Investigation Letters.
4. **Billing Manager – Bill the Patient.**

## SYSTEM REQUIREMENT

**PENTIUM III WITH 64 MB OR ABOVE**

**With CD Drive**

**Display : Color 800X 600 RESOLUTION**

**ATLEAST 50 MB OF FREE SPACE**

**DeskJet /Laser Jet Printer for printing reports.**

**Internet – (Optional) for remote support and updates.**

**SOFTWARE COST : Rs 25000/- (TWENTY FIVE THOUSAND ONLY)**

## ORDER REQUIREMENT

**PURCHASE ORDER ON YOUR PRESCRIPTION PAD/LETTER HEAD**

**ADDRESS WHERE SOFTWARE TO BE REGISTERED.**

**LOGOS OR SAMPLE PRESCRIPTON PAD TO BE INCORPORATED IN REPORTS.**

## CUSTOMISATION

**Customisation possible but subject to additional charges. (invoice,prescription sheet only)**

## SOFTWARE DELIVERY

At least one week from the date of order. Order can be placed at Delhi/Bombay/Calcutta. Soon Local support will be provided at other major Indian cities.

## PAYMENT

100% Advance along with order. Local Cheque/DD favoring VNV Software Pvt. Ltd., payable New Delhi.

ICICI BANK PAYMENT DEPOSIT/TRANSFER AVAILIABLE

## SUPPORT

100Days Free Telephonic & Internet Support for any problem/updates and minor customization of Invoice/Prescription Sheet.

## **Brief Discription**

VNVAVDM is an advanced self diagnostic software, with built in opinion generation for investigations, an Quick prescription pad and self maintainable drug database. Made with latest 4gl language, its highly user friendly and very easy to operate.

[Dr. Anirban Biswas](#) practices therapeutic and diagnostic neurotology in Calcutta. Neurotology is the branch of medical science that is concerned with the diagnosis and treatment of persons suffering from balance disorders( vertigo/imbalance) and /or hearing disorders(deafness). He is one of the very few medical personel in India who practise solely in neurotology other than his practice he is deeply involved in ENT academics. He has authored two university approved text books on neurotology . In addition Dr. Biswas has written a book on patient education on Hearing Aids. Dr. Anirban Biswas had been the *President* of Neurotological and Eqilibriometric Society of India and currently is the *Editor* of two national scientific medical journals. Dr. Biswas is a member of the Editorial Board of two well known international medical journals. For more information please visit [www.dranirbanbiswas.com](http://www.dranirbanbiswas.com)

VNV Software Pvt. Ltd. is into making hi-end commercial application and is in this field for last 12 years and provides solutions for more than 12 functions/Industry with over 600 customers. Few of our solutions are HRIS – Human resource information system, ID Systems, Parking Systems, Time and Attendance Systems, Digital Catalogues, ERP for Private Guarding Companies, Call Center Software and CRMs., Carpet Production Control System, Visitor Management Systems..... Clients like Pizza Hut, Bata, BSNL, ICSIL, FASII – Federation of association of small scale industries of India., Schneider Electric co.....

Support Available at Delhi, Mumbai, Gurgaon, Faridabad, Noida & Calcutta. We are under the process of expanding support to other major cities like bangalore, chennai, Ahmadabad, Pune, Hyderabad... for more info visit [www.vnv.in](http://www.vnv.in)

## Neurological Disorder Module (History and Clinical data collection)

New Patient Neurological Disorders Hearing Disorders Investigations Reports Prescription Billing Admin Masters Quit

**NEUROLOGICAL HISTORY**

Page 1 of 4

**VERTIGO (GIDDINESS)**

a) Swaying  Yes  No

b) Lightheaded  Yes  No

c) Turning/Falling  Yes  No

d) Blackouts  Yes  No

e) Surrounding objects  surrounding objects moving but head stable  
 surrounding objects stable but head moving

f) Rotating/Spinning sensation  Yes  No

g) Unconsciousness  Yes  No

**VEGETATIVE SYMPTOMS**

a) Sweating  Yes  No

b) Nausea  Yes  No

c) Retching  Yes  No

d) Vomiting  Yes  No

e) Collapse  Yes  No

f) All the Above  Yes  No

**TASTE DISORDERS**  Yes  No

**EAR SYMPTOMS**

a) Tinnitus  Yes  No  
 Left  Right

b) Deafness  Yes  No  
 Right  Left

c) Fullness  Yes  No  
 Right  Left

d) Ear Discharge  Yes  No  
 Right  Left

e) History of Ear Surgery  Yes  No  
 Right  Left

**HEAD-NECK DISORDERS**

a) Vertebral Accident  Yes  No

b) Occupational Accident  Yes  No

c) Sport Injury  Yes  No

d) Domestic accident  Yes  No

e) Cervical spondylosis  Yes  No

f) History of brain surgery  Yes  No

NEXT

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New Patient Neurological Disorders Hearing Disorders Investigations Reports Prescription Billing Admin Masters Quit

**CLINICAL EXAMINATION  
NEUROLOGICAL**

Page 1 of 6

**Local Examination of ears**

**A) TYMPANIC MEMBRANE**

<b>LEFT</b>	<b>RIGHT</b>
<input type="radio"/> Normal <input type="radio"/> Central Perforation (Active) <input type="radio"/> Central Perforation (Inactive) <input type="radio"/> Post marginal/otic Perforation <input type="radio"/> Dull Retracted Intact	<input type="radio"/> Normal <input type="radio"/> Central Perforation (Active) <input type="radio"/> Central Perforation (Inactive) <input type="radio"/> Post marginal/otic Perforation <input type="radio"/> Dull Retracted Intact

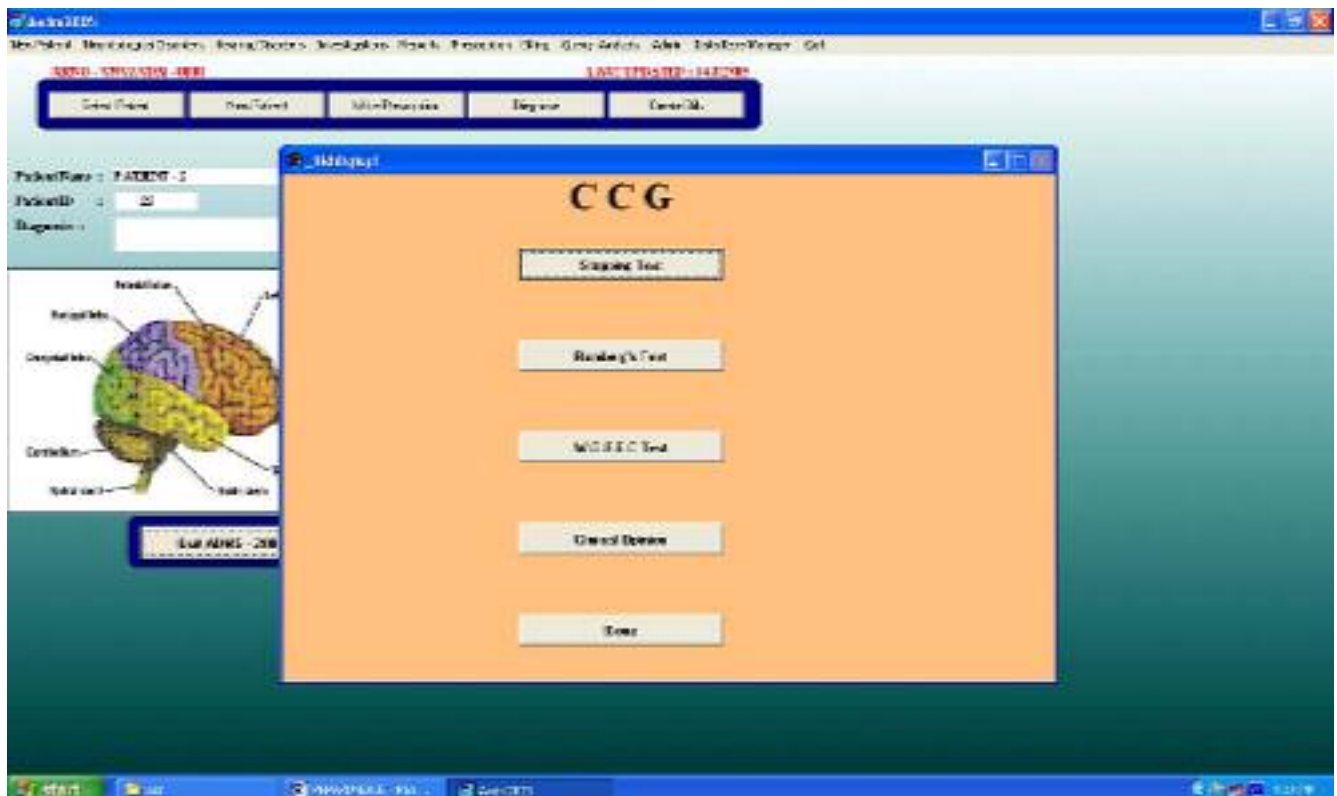
<b>LEFT</b>	<b>RIGHT</b>
<b>B) FACIAL PARALYSIS</b> <input type="radio"/> Present <input type="radio"/> Absent	<input type="radio"/> Present <input type="radio"/> Absent

NEXT

This module take the history & Clinical Data collection covering all aspect of the patient upto 10 screens 4 scr for History and 6 Screen for Clinical and as per the symptoms the program can arrive on possible diagnosis.

**Investigation and Report Module for Neurological Disorder**

This module contain Eng, CCG, Letter to Referring doctor, Eng report, Ccg report and more...



ADAS - 2004 - Audiovestibular Data Management Software

New Patient Neurological Disorders Hearing Disorders Investigations Reports Description Billing Admin Masters Quit

## CLINICAL OPINION

BUTTERFLY PATTERN

% OF Canal Paresis       % Of Directional Prepond :

- ENCR      Central
- ENPR      Peripheral Right
- ENPL      Peripheral Left
- ENBP      Bilateral Peripheral
- ENMR      Mixed
- BPPV      B P P V
- ENDL      Direct Prepond. Left
- ENDR      Direct Prepond. Right
- ENIL      Inhibitory Prepond. Left
- ENIR      Inhibitory Prepond. Right
- ENNR      Normal
- EDIR      Edit

There is no abnormal canal paresis or directional preponderance to any side on estimation of caloric induced nystagmus by speed of slow phase as well as by culmination frequency. The only abnormality found on ENG test is a central type of positional / positioning nystagmus as explained in test no.- 5. This does not have any localising value but it does indicate that there is a disorder in the otolith system and its central connection.

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New Patient Neurological Disorders Hearing Disorders Investigations Reports Description Billing Admin Masters Quit

Print Preview

ID. Ph : 56 033 055, 98110-48994

Dr. A. Biswas

### REPORT OF ELECTRONYSTAGMOGRAPHIC TESTS OF VESTIBULAR FUNCTION

Name : ANURAG SINGH KUMAR      Age : Yrs      Sex : Male      Date : 27/05/200

Referred By :

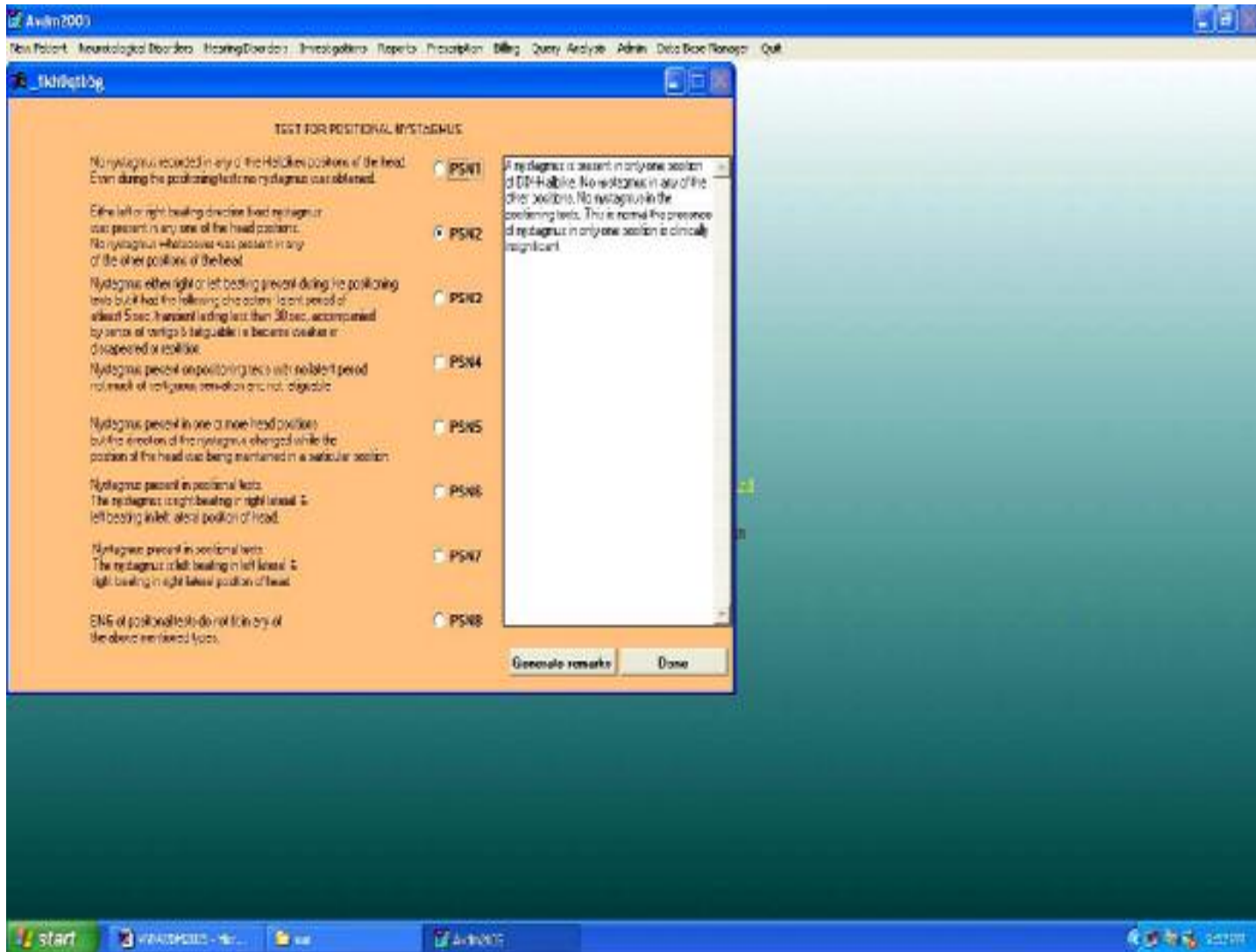
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**1. CALIBRATION : -**  
 Paper Speed was      5 mm/sec.  
 Horizontal Eye movement was calibrated for      degrees.  
 This horizontal eye movement correspond to      Oswald squares on vertical axis of the ENG Pay  
 Recording was done in      0 channel(s).

**2. PENDULUM TRACKING TEST : -**

**3. TEST FOR SPONTANEOUS NYSTAGMUS : -**

**4. TEST FOR NYSTAGMUS IN 30 DEGREE LATERAL POSITION OF GAZE : -**



### Prescription Pad & Predefined Pads with Drug database

Most innovative way to write prescription. Predefine drugs for common conditions just select the predefined pad.

The screenshot shows a software window titled "PRESCRIPTION" with a menu bar at the top containing: New Patient, Neurological Disorders, Hearing Disorders, Investigations, Reports, Prescription, Billing, Admin, and Masters. The main area is green and contains the following sections:

- Patient Name:** ANURAG SINGH KUM, Patient ID: 32
- Diagnosis:** [Empty text box]
- Drug List Table:**

Formulation	Brand	Dosage
TAB	ACETAZOLAMIDE	Dosage: 250 mg) - 1 tab twice daily x 6 weeks.
TAB	CINSAZOLINE	Stageson 75 mg) - 1 tab three daily x 10 days.
- Investigations:** Pure Tone Audiometry with localizing tests TDT, ABLE, IISI, Speech Audiometry, Glycerol test, Electrocochleography(EcochG), BCER at 50 dB suprahearing.
- Remarks:** Avoid oily food like curries, ghee, sweets - no free salt meals. Avoid coffee, tobacco and alcohol. Take plenty of Bananas, Oranges. Avoid mental stress as much as possible.
- Buttons:** Clinical Condition List, Drug List, Investigation Note Pad, Print Prescription, Fees and Next Visit, Save, Back.

## CLINICAL CONDITION

**Diagnosis** MENIERE'S DISEASE

	Formulation	Brands	Dosage
<input type="checkbox"/> Select	TAB	ACETAZOLAMIDE	(Diamox 250 mg) - 1 tab twice daily x 6 weeks
<input type="checkbox"/> Select	TAB	CINNARIZINE	(Stugeron 75 mg) - 1 tab three daily x 10 days.
<input type="checkbox"/> Select	TAB	CINNARIZINE	(Stugeron 25 mg) - 1 tab three daily x 4 weeks
<input type="checkbox"/> Select	TAB	BETAHISTINE	(Vertin 8 mg) - 1 tab three daily after food x 4 weeks.
<input type="checkbox"/> Select	TAB	BETAHISTINE	(Vertin 15 mg) - 1 tab three daily after food x 10 days.
<input type="checkbox"/> Select	TAB	PROCHLORPERAZINE	(Stemetil 5 mg) - 1 tab three daily x 5 days.

**Suggested Investigations**

- Select Pure Tone Audiometry with localizing tests TDT, AELB, SSI, Speech Audiometry
- Select Glycerol test, Electrocochleography(EcochG), BERA at 50 dB age threshold
- Select Impedance Audiometry with Meta Recruitment test & Acoustic Reflex Decay test.
- Select MRI of the brain with emp. focus on CP angles and posterior fossa.
- Select Vestibular function Tests: Electrocorticography(ENG) and Caloricopy(COG)
- Select Bloodiest TCD/CINE/Fasting dpp. sugar/Lipid profile/thyroid function tests/RAST/VDL/Ga

**Remarks**

- Select Avoid salty food like sausages, pines, mushrooms - no free salt meals
- Select Avoid coffee, tobacco and alcohol
- Select Take plenty of Bananas, Oranges
- Select Avoid mental stress as much as practicable
- Select Try to find out whether any particular food precipitates the attack.

**Supportive Therapy**

1. Vestibular Rehabilitation exercises
2. In case of acute attack of vertigo take as single dose all together:-  
Glycerol I.P. 80ml, Stemetil 5 mg x 2 tabs, Tab grollol 50 mg x 2 tab and  
Tab Emeset 8 mg - 1 tab.

Done

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Ph: 69 033 015, 98110-48994

Dr. A. Bhowar

1974

SHREE SARAI-D

NEW DELHI - 17

Date

27/05/2003

Patient Id. No. 32

Patient Name

ANURAG SINGH KUMAR

Address

Diagnosis

### Rx

ACETASALAMIDE

TAB

(Oxams 250 mg) - 1 tab twice-daily x 5 weeks

CIPROFLOX

TAB

(Ciproflox 75 mg) - 1 tab twice-daily x 10 days

### Investigations

Pure Tone Audiometry with localization to the TD7, ABLE, EBI, Speech Audiometry

Olyc and test, Electrocochleography (EcochG), BERA at 50 dB supra threshold

### Remarks

Avoid salty food like mungas, pickles, chutneys - no than salt in diet

Avoid coffee, tobacco and alcohol

Take plenty of B vitamins, Omega

Avoid mental stress as much as possible



Dr. A. Bhowar

Signature

## Billing Module

New Patient Neurological Disorders Hearing Disorders Investigations Reports Description Billing Admin Help Exit

Print Preview

Dr.  100% 

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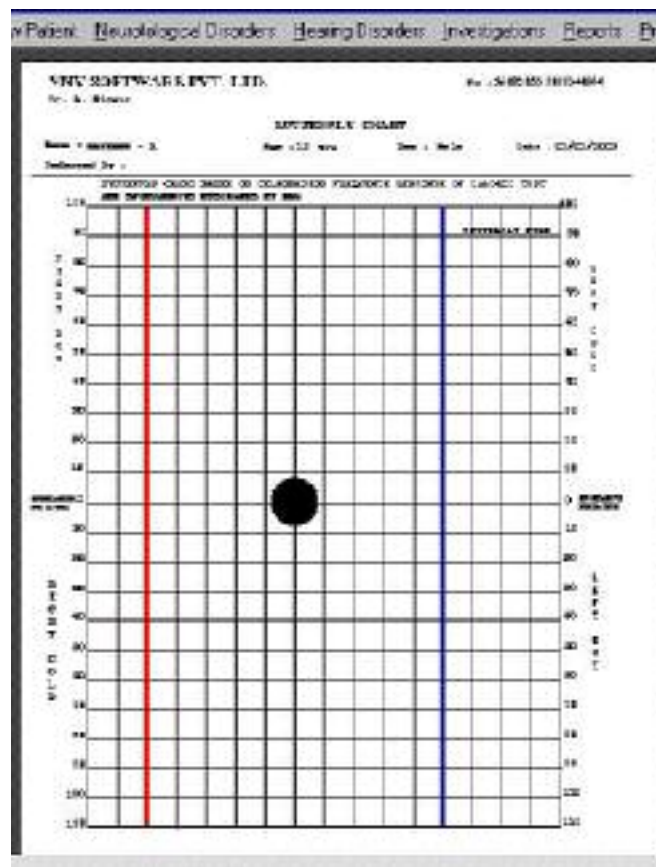
INV NO. \_\_\_\_\_ DATE 1 / /

NAME	Narek Riski
ADDRESS	K allah colony

**INVOICE**

SRNO	DESCRIPTION/DETAILS	AMOUNT (RS)
1.		0.00

## Butterfly Chart Printing Module



## Drug Index

New Patient Neurological Disorders Hearing Disorders Investigations Reports Prescription Billing Admin Masters Quit

Select Patient New Patient Write Prescription Diagnose Create Bill

Patient Name : ANUB  
Patient ID : 3  
Diagnosis : VERT  
CHRO  
ACUT  
OTO  
ACUT

### Drug List

- ACETAMINOPHEN
- ACTISER
- AD-LIV
- ADINORM
- ALPRAK
- ALPRAZOLAM
- ALZOLAM
- AMOSIDE
- ANALGIN
- ANTIDEP
- AQUAVIRON
- ARIS TOGYL

Select Done

04

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