



BACKGROUND

Although many pharmacists think of drug information as a specialty area in pharmacy, all pharmacists must use drug information (DI) Knowledge daily to counsel patients and communicate with health care practitioners, on the other hand physicians also need to use DI in their daily prescribing practice. As the pharmaceutical care model for pharmacy practice expands and as medical sciences advances, community pharmacists will see a growing demand for accurate, concise information about drugs and they must equipped to provide it.

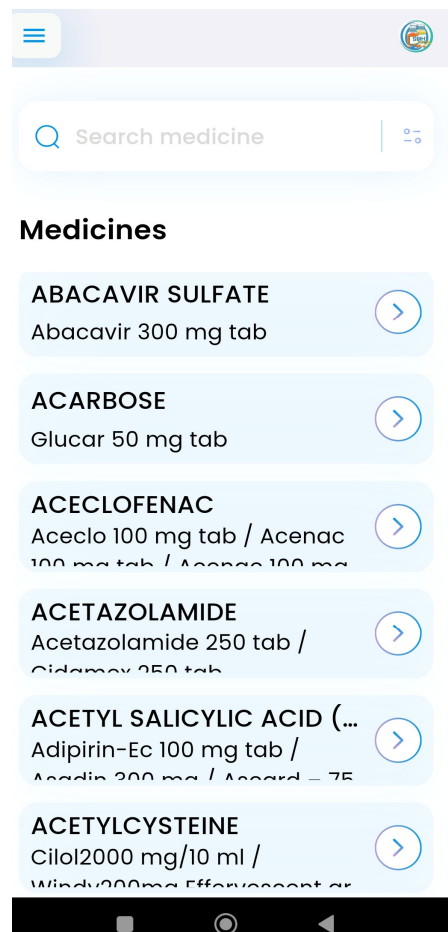
The Sudan medicines handbook (SMH) is a medical reference text prepared to be used in practice by health professionals (particularly doctors and pharmacists) as a resource of DI. It is a highly-regarded source of concise, independent drug information to aid in the practice of evidence-based medicine.

SMH mission is to provide concise, practical, reliable, comparative drug information to promote the quality use of medicines in Sudan.

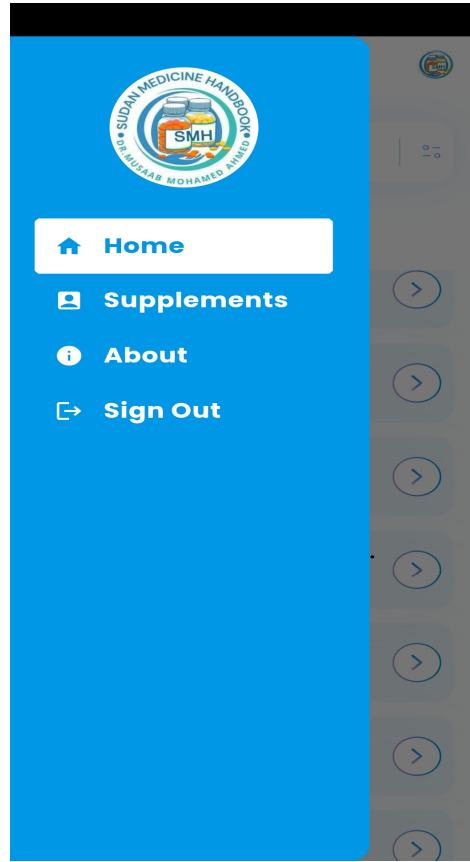
GENERAL FEATURES OF SMH

- Provides evidence-based and unbiased information
- An easy-to-use reference for all clinicians and healthcare professionals seeking access to concise, comprehensive drug information.
- Decreases risk of adverse drug events and saves valuable time by delivering data at the point and time of care.
- contains more than 700 drug monographs, covering drugs that available in Sudan.

FEATURES OF THIS VERSION:'



- For the first time SMH is introduced as android application which contribute to the ease of use.
- The most updated drug information from the most reliable sources .
- Contains the products registered in Sudan till March 2023 in addition to food Spplements.



- Extending the monograph to include contraindicated and major drug drug interactions, beside Beers criteria (The American Geriatrics Society Beers Criteria® for Potentially Inappropriate Medication Use in Older Adults, which is a list of medication guidelines that help healthcare providers safely prescribe medications for adults over age 65.).



ACECLOFENAC

Class

Dosage, Adult, (Usual)

daily.

- Beer criteria : As with other non-steroidal anti-inflammatory drugs (NSAIDs), caution should be exercised in the treatment of elderly patients, who are generally more prone to adverse reactions, and who are more likely to be suffering from impaired renal, cardiovascular or hepatic function and receiving concomitant medication.

Dosage, Pediatric, (Usual)

- Safety is not established in pediatrics

Indications

- Non FDA labeled indications
 - Rheumatoid arthritis



ACETAZOLAMIDE

Class

Dosage, Adult, (Usual)

Drug Interactions

- Contraindicated Interactions
 - Methenamine
- Major Interactions
 - Amphetamine
 - Aspirin
 - Carbamazepine
 - Dextroamphetamine
 - Digitalis
 - Lithium
 - Memantine
 - Metformin
 - Methamphetamine
 - Methotrexate
 - Primidone
 - Quinidine
 - Sotalol
 - Topiramate

Pregnancy Category

- May cause fetal harm (MDX)

- New FDA labeling of drugs during pregnancy and breast feeding.

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ABACAVIR SULFATE

Class

Dosage, Adult, (Usual)

fatal cases, Immune hypersensitivity reaction (2% to 9%)

Drug Interactions

- Major interaction
 - Methotrexate
 - Orlistat
 - Ribavirin
 - Tacrolimus

Pregnancy Category

- Abacavir: Fetal risk cannot be ruled out. (MDX)

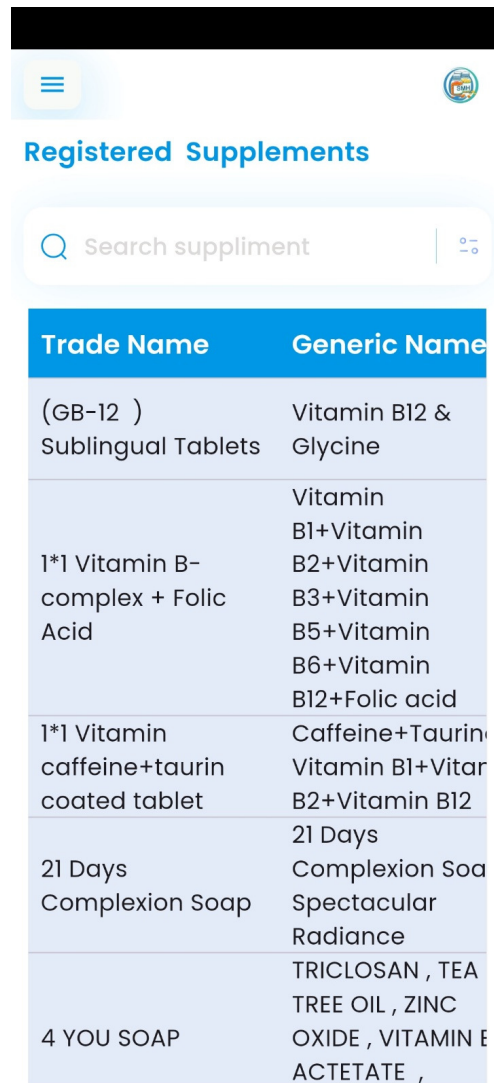
Breast Feeding

- Abacavir: Micromedex: Infant risk cannot be ruled out.

Products Registered in Sudan

Brand Name	Pack Size
Abacavir 300 mg tab	60 Tablets

- Addition of off-labeled, guidelines, study and FDA dosage.
- All registered food supplements in Sudan till March 2023 is included in this version for first time and it is found as a searchable list. The list contains trade names, generic names, dosage form, strength, pack size, manufacturer, country of origin, type of product and the local agent.



Trade Name	Generic Name
(GB-12) Sublingual Tablets	Vitamin B12 & Glycine
1*1 Vitamin B- complex + Folic Acid	Vitamin B1+Vitamin B2+Vitamin B3+Vitamin B5+Vitamin B6+Vitamin B12+Folic acid
1*1 Vitamin caffeine+taurin coated tablet	Caffeine+Taurine Vitamin B1+Vitar B2+Vitamin B12
21 Days Complexion Soap	21 Days Complexion Soap Spectacular Radiance
4 YOU SOAP	TRICLOSAN , TEA TREE OIL , ZINC OXIDE , VITAMIN E ACTETATE ,

- Appendices of anesthetics and antineoplastic in this version are included within monograph list as a monograph that contains name, class, FDA labeled indications and the registered products in Sudan.

THE MOST IMPORTANT SOURCES OF SMH INFORMATION:

- The DRUGDEX® System produced by Micromedex®, a healthcare brand of Thomson Reuters
- British National Formulary
- British National Formulary for children
- Martindale: The Complete Drug Reference
- UpToDate
- Registered medicines in Sudan 2023, National medicines and poison board

MONOGRAPH ORGANIZATION:

Drug Name:

- Generic drug name is provided. A (+) or (/) symbols between drug names indicates a combination product.

Class:

- Therapeutic category is provided (e.g. cardiovascular agent) and subclass also may\included (e.g. angiotensin converting enzyme inhibitor).

Dosage adult (usual):

- The usual route of administration and the pertinent dosages are provided. Route and dosage for adults are organized by route and specific condition when appropriate.
- Beers criteria and geriatric dosage are provided within this section.

Dosage Pediatric (usual)

- The usual route of administration and the pertinent dosages are provided. Route and dosage for pediatric are organized by age group, route and specific condition when appropriate.

Indications:

- FDA approved and Non-FDA labeled indications are used.

Contraindications:

- All known contraindications are included.

Adverse Effects:

- Common (1% or greater incidence) or serious reactions are included. Adverse reactions are classified according to body system (e.g. gastrointestinal, Cardiovascular)

Drug interactions:

- In this section two type of interactions are included, Contraindicated and Major interactions.

Pregnancy Category:

- In 2015 the FDA replaced the former pregnancy risk letter categories(A,B,C,D and X) on prescription and biological drug labeling with new information to make them more meaningful to both patients and healthcare providers.
- In this version the new FDA labeling system will used instead of old five-letter system.

Examples for the new labeling system:

- Fetal risk is minimal
- Fetal risk cannot be ruled out.
- Fetal harm has been demonstrated.
- May cause fetal harm
- Contraindicated

NOTE

- Regardless of the designated Pregnancy Category or presumed safety, no drug should be administered during pregnancy unless it is clearly needed and potential benefits outweigh

- Potential hazards to the fetus.

Breast Feeding:

- As for the pregnancy, FDA also introduced new classification system for drugs during lactation.

Examples for the new labeling system:

- Infant risk is minimal
- Infant risk cannot be ruled out.
- Infant risk has been demonstrated.

Products registered in Sudan:

- This section provides the registered products in Sudan (include Brand Names, Back size, Manufacturers,
- Country of Origins and Agents) as provided by national medicines and poisons board.

Acknowledgment:

- First and foremost, I want to thank my family, [my mother, my wife Sara, my sons and my sisters], for their understanding, encouragement, and patience throughout this project journey.
- I want to extend my sincere gratitude to everyone who has been part of this project. Thank you to Dr.Tasneem Izzaldeen and eng.Ammar Mohammed for their appreciated assistance and efforts.

Dedication:

I started SMH a few years before my father passed away. In these years he gave me un limited and continuous support, encouragement and valuable direction and advices.

I would like to dedicate this work to the soul of my father.

I miss you dad.

Pharmacist: Musaab Mohamed Ahmed Musa

SMH author - July 2024