

A man with a beard and short dark hair, wearing a brown long-sleeved shirt, is sitting on a wooden bench. He is looking directly at the camera with a slight smile. In his right hand, he holds a small green plant with several leaves. The background is a wall made of woven bamboo or reeds. The ground is reddish-brown earth.

Sidama Traditional Medicinal Plants:

An ethnobotanical study from southwestern
Ethiopia

Alex McAlvay

A young woman with dark skin and short hair is smiling slightly at the camera. She is wearing a light-colored t-shirt with a dark purple collar and sleeves, and a graphic design on the front. The background is a dense forest with tall, thin trees and green foliage. The text is overlaid on the image in a bright yellow color.

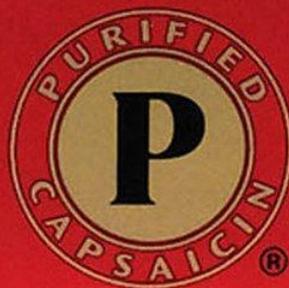
Overview

1. Herbs and surgery

1. Sidama project

ARTHRITIS PAIN RELIEF

**Doctor
Recommended**
(Refers to the ingredient capsaicin)



**#1 Pharmacist
Recommended**
(Based on Pharmacy Times 2005 Survey)

Deep Penetrating • Odor Free • HIGH POTENCY
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ARTHRITIS PAIN RELIEF

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ARTHRITIS PAIN RELIEF

CAPSAICIN 0.1%

TOPICAL ANALGESIC CREME

Net wt 1.5 oz (42.5 g)

Prevalence of herbal medicine

- Worldwide¹
- U.S.²
- Immigrants^{3,11}

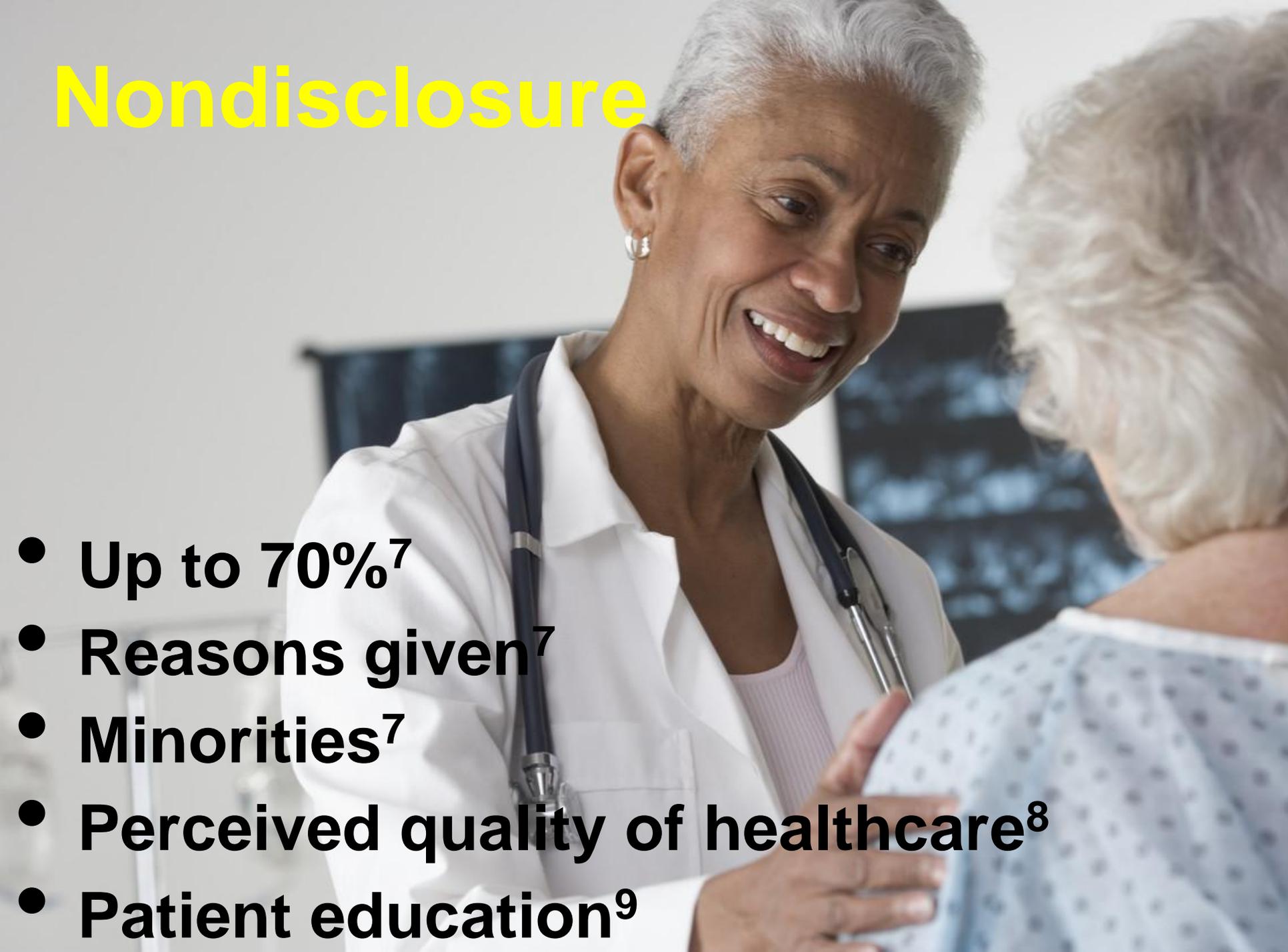


Herb-drug interactions and surgery

- **Many actions not investigated⁵**
- **Effects on drug effectiveness, anaesthesia, clotting⁶**
- **ASA suggestions**



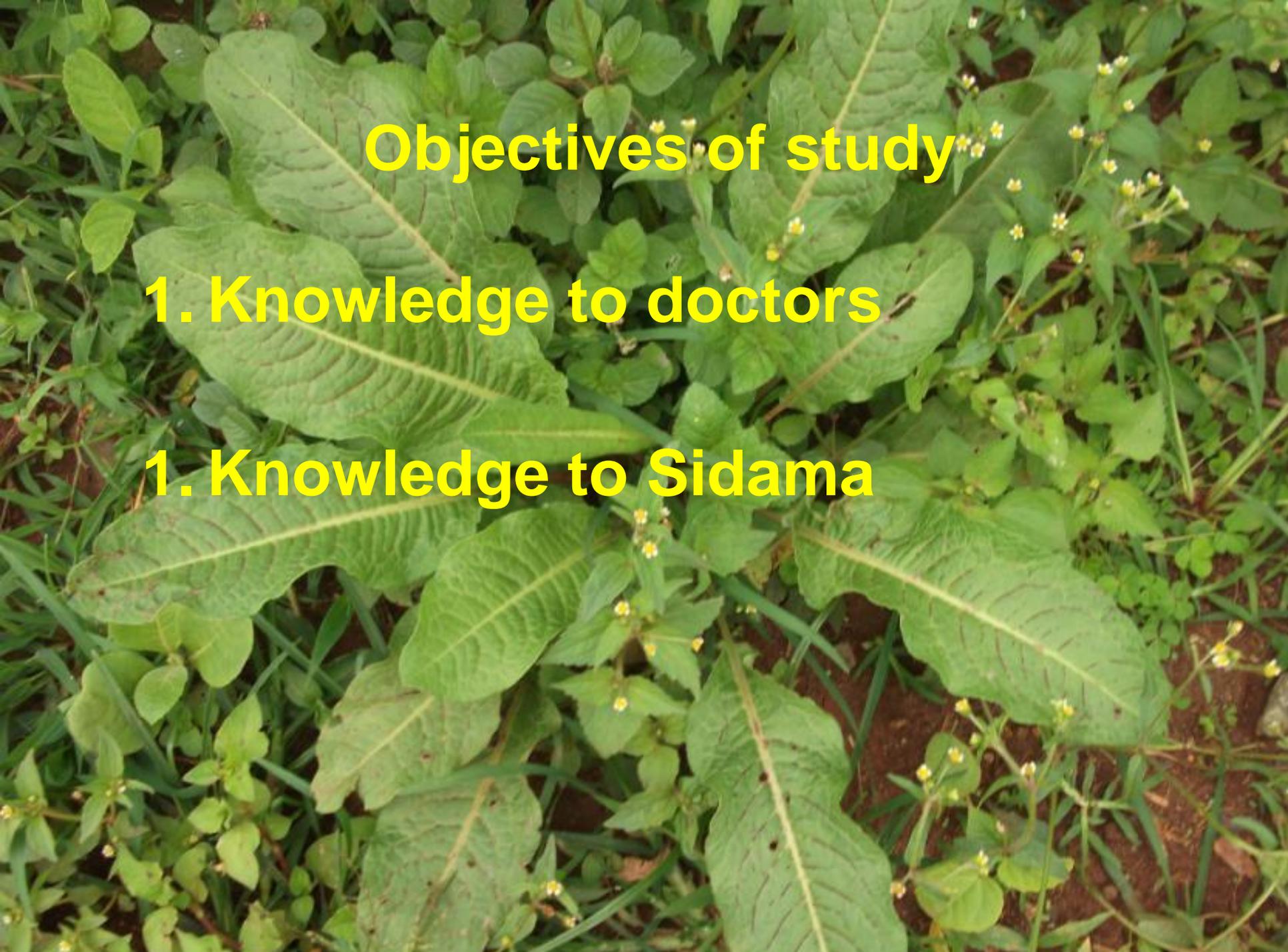
Nondisclosure

A photograph of a female doctor with short grey hair, wearing a white lab coat and a stethoscope, smiling warmly at an elderly patient with white hair. The patient is wearing a blue hospital gown. The background is a clinical setting with a blurred monitor.

- **Up to 70%⁷**
- **Reasons given⁷**
- **Minorities⁷**
- **Perceived quality of healthcare⁸**
- **Patient education⁹**



The study



Objectives of study

1. Knowledge to doctors

1. Knowledge to Sidama

The Sidama



Methods



Overview of results

A person is sitting on the floor, surrounded by various medicinal plants and powders. The person is wearing a brown jacket and a patterned shawl. There are several bags and bowls containing different types of powders and dried plants. A yellow jug is visible in the background. The scene appears to be a traditional pharmacy or a place where medicinal plants are prepared.

1. Uses: 47 species, 36 diseases

2. Pharm: 91.8% active
40.9% matching



Uses



A close-up photograph of a woman with dark skin and hair, lying down. She is looking towards the camera with a slight smile. A purple cloth is draped over her chest, and a striped shirt is visible on her shoulder. The background is a textured, light-colored surface.

Local disease concepts

- *Dingatenia*
- *M'utch*
- *Yelelito Wof*

Anticoagulant herbs mentioned

*Ocimum basilicum*³

*Nigella sativa*³

*Capsicum annuum*³

*Cuminum cyminum*³

*Trigonella foenum-graecum*³

*Linum usitatissimum*³

*Allium sativum*³

*Zingiber officinale*³

*Ruta chalepensis*³

*Curcuma longa*³

*Mentha x piperita*³

Handbook

Lepidium sativum



<i>Lepidium sativum</i> (cress)	Amharic: Feto Sidama: Feto
Medicinal use: Stomach problems; M'utch	Part(s) used: seeds Preparation & Administration: small seeds ground into paste-like mustard, eaten for stomach issues and M'utch. Can also be applied topically for M'utch
Adverse Effects (if any):	
Pharmacological properties	Glucotropaeolin, 2-phenyl ethyl glucosinolate, 2-ethyl butyl glucosinolate - antiinflammatory, antipyretic, analgesic, coagulant activities (39).

Leucas martinicensis



<i>Leucas martinicensis</i>	Amharic: Raskamer Sidama: Burdicho
Medicinal use: cataracts	Part(s) used: leaves Preparation & Administration: leaves crushed and squeeze juice into eyes; one drop in each eye in the morning and evening
Adverse Effects (if any):	
Pharmacological properties	Flavonoids, alkanoids, volatile oil (from leave extracts) – mosquito repellent (30).

Moving ahead

- Collaboration
- Communication
- Understanding



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Remarkable People. Remarkable Results.



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- 2013 Ethiopia Field Course.

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