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Ethnobotanical study of antimalarial plants in Dembia district, North Gondar, Amhara Region, Northwest Ethiopia

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Background: Medicinal plants play an important role in the treatment of malaria especially in developing countries where resources are limited. Thus, it is crucial to document medicinal plants used for treatment of malaria and other diseases. This study documented medicinal plants that are traditionally used for treatment of malaria in Dembia District, Northwest Ethiopia.

Materials and Methods: The study was conducted in four malarious villages of Denbia District, Amhara Region, Northwest Ethiopia in March 2013. Information was collected by interviewing traditional healers using semi-structured questionnaire. Specimens of the reported antimalarial plants were collected and stored at the Department of Pharmacognosy, University of Gondar, following identification.

Results: A total of 30 traditional healers were interviewed of which 96.7% were males and 3.3% females. Twenty four plants species used in the treatment of malaria were identified. Detailing information such as common and vernacular names, parts used, methods of preparation, frequency and duration of use were compiled. Of the plants identified during the survey, *Allium sativum* (32.2%), *Adhatoda schimperiana* (22.6%), *Croton macrostachys* (6.4%) and *Brassica nigra* (6.4%) showed the highest incidence of encounter. The traditional usage of fresh bile from domestic goat, *Capra aegagrus*, (6.4%) and white fish (3.2%) in the treatment of malaria is also reported by the healers.

Conclusions: The results provide data for further pharmacological and toxicological studies and development of commercial antimalarial phytotherapy products.

Biography

Abyot Endale has completed his M.Sc. in Pharmacognosy in August 2012 from Addis Ababa University and his B.Pharm from University of Gondar in July, 2007. He is the head of Pharmacognosy Department, University of Gondar. Currently, he is PI of the research "antimalarial evaluation of endogenous Aloe species" and main coordinator of the project "Capacity building of Traditional Health Practitioners in Gondar town "and he has published his finding in reputed journals.

The master validation plan: A vision of things to come

Steven Mattos
ALKU Technologies, USA

The master validation plan (MVP, and also called validation master plan) can be one of the more mysterious documents in the life sciences organization. It is not technically required by the FDA, but they routinely ask to see it. Certain European regulatory standards require it. So, what exactly is it? Why do you need one? How do you create a MVP? In this session we will answer these questions, and many more. Risk assessment is a critical component of MVP design & effectivity and will be discussed as well. Inspectional observations regarding the MVP will be reviewed and lessons learned will be presented. For this presentation, the definition of MVP is your overall comprehensive validation program, while the VP will address planning for specific projects.

The MVP is a critical document identifying and providing the complete overview of your validation program and intentions in your organization. With the need for highly strategic business planning and to reduce costs while providing highly compliant, high quality validations, a MVP is critical to communicate to senior management, manufacturing, and all stakeholders on the value of creating and maintaining a MVP.

This presentation will show you a practical approach to creating MVPs for your company. You will leave with the knowledge of how to write your draft MVP and how to use it to get your organization in alignment with your validation programs.

Biography

Steven Mattos is a quality systems consultant with over 20 years experience in Quality and Regulatory Compliance, including extensive experience in Process and Computer Systems Validation. He has worked with multiple start-ups, as well as major organizations such as Becton Dickinson, Abbott, Merck, Unilever, and Thermo Fisher. Currently he is a consultant with ALKU Quality, a consulting firm in Andover, MA. Steven holds a B.S in Biological Sciences and an M.S in Bioscience Regulatory Affairs from the Johns Hopkins University.