Community dermatology – a Utopia come true

Medicine has experienced constant progress in many areas. However, health services in developing countries still face many challenges.

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Countries in Africa and Latin America, while facing increases in population, have a markedly uneven distribution of wealth, which increases the problem of uneven distribution of health services.

Dermatological conditions in the community are seldom life threatening. However, skin diseases are common, and can be disfiguring and uncomfortable. This leads patients to feel marginalised or hopeless, particularly when the means are not available to solve their problems.

During a course covering dermatology and epidemiology in 1991 at the Center for Research of Tropical Diseases (CIET), in Guerrero State, Mexico, the concept of community dermatology[1] was born (Fig. 1). A baseline study was developed by CIET, which consisted of dermatology and epidemiological research.[2]

The initial goal of the programme was to gather epidemiological information on skin diseases affecting patients in Guerrero State in the south of the Mexican Republic.[3] This gradually evolved by improving dermatological services provided by government health institutions. Specifically, the health secretary and Family Integral Development (DIF) increased the provision of dermatological services to more communities in the seven regions of the State (Fig. 2).[4] Community Dermatology Mexico was established in 2000 as a civil association.

The goals of the association are:

- basic dermatology training of community health personnel
- increased communication with health personnel in remote or isolated areas of Guerrero State through teledermatology
- expansion of the programme to places with similar needs[5]

To date, the following has been accomplished:

- After 22 years, 132 communities have been visited throughout Guerrero State. There were approximately 20,000 consultations and treatment is free.
- The base study started with the CIET group visiting 7,626 homes, in which 20,966 patients were studied. The results showed that 50% of the patients had at least one skin problem.
- In the communities, during the jornadas (dermatological attention, treatment to patients in rural areas, as well as training of health personnel), health priorities were defined by identifying the top ten skin diseases in order of frequency:
  - dyschromias (cloasma, vitiligo, pityriasis alba)
  - acne
  - pyoderma
  - dermatophytosis
  - contact dermatitis
  - sweat-related diseases
  - pityriasis versicolor
  - warts
  - seborrhoeic dermatitis
  - lichen planus[2]

Approximately 60% of all patients treated during the jornadas were diagnosed with these conditions,[24] which allowed the teaching topics to be prioritised.

Together with the American Academy of Dermatology and the International
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Remote areas, such as the mountainous Guerrero State, are difficult to cover. Therefore, community nurses or health promoters are an indispensable part of health provision.

Tele-dermatology has also become a vital part of teaching and consultation in these remote communities, as the programme no longer allows health providers to visit the communities as frequently as they did at the start of the initiative. Where possible, health workers will have access to a community dermatology web page, developed by the health secretary. The health providers will have access to two dermatology courses per year. Advice on the treatment of complicated cases is also available remotely.

The last goal of our programme has been possible because of the efforts of the International Foundation for Dermatology, which has expanded the basic principles of our system, e.g. in Argentina, Malaysia and Africa. This sharing of information and experience will help other countries to develop their own community dermatology programmes and, in so doing, improve the quality of life of their communities.

**References**


Taking Professor Roberto Estrada-Castañón’s Mexican programme as an example, a new programme has started in Neuquén Province (Patagonia, Argentina) to provide accessible dermatological services for rural communities, combining teaching and clinical care.

Fundación Dermatología Comunitaria Argentina is a not-for-profit association whose principal objective is to develop educational activities to prevent, detect and treat common skin conditions. These activities are held in the Argentine Republic.

The programme follows the Mexican model with working days (jornadas) in different rural areas. A free dermatology clinic service is offered to each community visited, where specialists work together with local practitioners. The main objective is education of local healthcare workers in common dermatological conditions. Lectures are given as workshops, focusing on diagnostic tools, referral criteria, therapeutic options, how to perform a skin biopsy, etc. Local practitioners may present cases and receive help, advice and education.

One of the main focuses of the work is to produce educational material for people in rural areas and at the same time offer medical assistance. The information provided serves the needs of the community and the non-specialist medical practitioner.

Sun-induced skin conditions are the most prevalent dermatoses found in the region. Consequently, Dermatología Comunitaria Argentina has added an element to the Mexican model – primary school education to reinforce the sun protection message. This part of the programme is aimed at children between the ages of 4 and 6 years, explaining the beneficial effects of sunlight and the harmful effects of ultraviolet radiation using games and costumes. Each child receives a ‘Skin scientist’ diploma and the teachers receive a booklet enabling them to continue to work on the programme.

So far, seven jornadas have been held, reaching 461 healthcare workers and assistants, including 1,423 consultations. There have been 19 photo-education workshops, reaching 1,260 children and their teachers.

The benefits are numerous: communities receive high-quality primary healthcare at low cost, healthcare workers are trained, epidemiological data are collected and there is a professional forum for the exchange of ideas and information.

The key to the success of this community initiative is passion, commitment and teamwork.

Volunteers willing to participate in these activities should arrive by their own means at Neuquén Province, having contacted Dr Casas in advance to arrange dates, accommodation and other issues.

For more information, photos and contact details see the Facebook page: dermatologia comunitaria argentina.