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Impact of Spirulina platensis supplementation on general health status of HIV infected patients in Burkina Faso

Submission date
31/05/2007

Recruitment status
No longer recruiting

Registration date
17/08/2007

Overall study status
Completed

Last Edited
17/08/2007

Condition category
Infections and Infestations

[_] Prospectively registered
[_] Protocol
[_] Statistical analysis plan
[_] Results
[_] Individual participant data
[_] Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
N/A

Study information

Scientific Title

Study objectives
Daily Spirulina platensis supplementation can improve clinical, nutritional and immunobiological status of HIV infected patients.

Ethics approval required
Old ethics approval format

Ethics approval(s)
Institutional Ethics Committee of Centre Muraz (Institut de Recherche en Sciences de la Santé [IRSS]), approved on 20 December 2005 (ref: 022/2005/CEI-CM)

Study design
Double-blind randomized controlled trial.

Primary study design
Interventional

Study type(s)
Not Specified

Health condition(s) or problem(s) studied
HIV / AIDS

Interventions
Group 1: 60 Patients with 200 CD4/µl of peripheric blood or lower (patients who are currently receiving antiretroviral treatment)
Sub-group 1 (30 patients): four capsules (a capsule contains 420 mg of spiruline) three times daily per os (orally) for each patient for 12 months
Sub-group 2 (30 patients): The same number of capsules as in sub-group 1 but placebo instead of active supplement

Group 2: 60 Patients with 200 < CD4 < 400 (patients who are currently receiving antiretroviral treatment)
Sub-group 1 (30 patients): four capsules (a capsule contains 420 mg of spiruline) three times daily per os for each patient for 12 months
Sub-group 2 (30 patients): The same number of capsules as in sub-group 1 but placebo instead of active supplement

Group 3: 60 Patients with CD4 >400 (some of these patients are currently receiving antiretroviral treatment)
Sub-group 1 (30 patients): four capsules (a capsule contains 420 mg of spiruline) three times daily per os for each patient for 12 months
Sub-group 2 (30 patients): The same number of capsules as in sub-group 1 but placebo instead of active supplement

Each included patient in the trial will be followed up monthly by a physician.
Anthropometric parameters of the participants will be measured monthly and their CD4, viral load, hematological and biochemical parameters will be measured semestrially.

Intervention Type
Drug

Phase
Not Specified

Drug/device/biological/vaccine name(s)
Spirulina platensis

Primary outcome(s)
The impact of active daily supplementation of Spirulina platensis on the clinical, nutritional and immunological status of HIV infected patients will be assessed by the following:
1. Measurement of CD4, viral load, hematological and biochemical parameters at the start, 6 and 12 months of trial
2. Monthly measurement of anthropometric parameters

Key secondary outcome(s))
No secondary outcome measures

Completion date
20/01/2008

Eligibility

Key inclusion criteria
1. HIV infected
2. At least 18 years old
3. Willing to be followed up for at least 12 months
4. Informed consent to be provided by the patient

Participant type(s)
Patient

Healthy volunteers allowed
No

Age group
Adult

Lower age limit
18 years

Sex
All

Key exclusion criteria
1. Patients who do not consent to be involved in the trial
2. Under the age of 18 years
3. Patients who are pregnant

4. Cardiopathy or cancer
5. Currently receiving Spirulina platensis spplementation

Date of first enrolment
20/05/2006

Date of final enrolment
20/01/2008

Locations

Countries of recruitment
Burkina Faso

Study participating centre
Institut de Recherche en Sciences de la Santé
Bobo-Dioulasso
Burkina Faso
545

Sponsor information

Organisation
Ministry of Health of Burkina Faso, Drug Directorate (DGPML)

ROR
https://ror.org/03h83vk17

Funder(s)

Funder type
Government

Funder Name
Ministry of Health of Burkina Faso, Drug Directorate (DGPML)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration