# Case Report OBOM

**Acute Buruli Ulcer Wounds**

Patient No. 001

## 1. Demographic data

<table>
<thead>
<tr>
<th>Sex:</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age:</td>
<td>44 years</td>
</tr>
</tbody>
</table>

## 2. Wound description

BU Category I (see Photo documentation)

## 3. Medical History

Nil of significance

**Wound History:**
- Wound observed since: 08/2013
- BU- Treatment: 25/09/13 - 20/11/13
- Wound healed: 15/11/13

## 4. Physical examination

**Body- Mass- index (BMI) 21.41 kg KG/m²**

All systems normal

## 5. Current Medication

- Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken
- Patient had been on BU treatment for 14 days before enrolment
- Paracetamol (occasionally)
6. Laboratory

BU confirmation: ZN (-) PCR (+) for *M. ulcerans*

Retroscreen: non reactive

7. Photo documentation

Day 0

Week 2

Wound closed

Week 4

Further wound contraction

Week 8
## Case Report OBOM

### Acute Buruli Ulcer Wounds

Patient No. 002

### 1. Demographic data

<table>
<thead>
<tr>
<th>Sex</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>29 years</td>
</tr>
</tbody>
</table>

### 2. Wound description

BU Category I (see Photo documentation)

### 3. Medical History

Nil of significance

Wound History:
- Wound observed since: 08/2013
- BU- Treatment: 21/08/13- 15/10/13
- Wound healed: 15/10/13

### 4. Physical examination

- Body- Mass- index (BMI) 21.03 kg KG/m²
- All systems normal

### 5. Current Medication

Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken

Patient had been on BU treatment for 49 days before enrolment

---

**Change in wound size**

<table>
<thead>
<tr>
<th>Time after enrolment(weeks)</th>
<th>Wound area(cm²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>wk0</td>
<td>0.6</td>
</tr>
<tr>
<td>wk1</td>
<td>0.4</td>
</tr>
<tr>
<td>wk2</td>
<td>0.2</td>
</tr>
</tbody>
</table>

**Wound localization**

- Right lower shin

---
6. Laboratory

BU confirmation: PCR (+) ZN (-) for *M. ulcerans*
Retroscreen: Non reactive

7. Photo documentation

Day 0  |  Week 1
Case Report OBOM

Acute Buruli Ulcer Wounds
Patient No. 003

1. Demographic data
   Sex: Male
   Age: 9 years

2. Wound description
   BU Category I (see Photo documentation)

3. Medical History
   Nil of significance
   Wound History:
   Wound observed since: 08/2013
   BU- Treatment: 26/09/13- 28/11/13
   Wound healed: 12/04/14

4. Physical examination
   Body- Mass- index (BMI) 19.7 kg KG/m²
   All systems normal

5. Current Medication
   Streptomycin 750mg, Rifampicin 450mg. 56 doses taken
   Patient had been on BU treatment for 20 days before enrolment
6. Laboratory

BU confirmation:  PCR (+) ZN (+) for *M. ulcerans*
Retroscreen: Non reactive

7. Photo documentation

Day 0

Week 0

Week 6

Repeated trauma to wound from vigorous physical activities resulted in prolonged wound healing

Week 12

Week 18
Case Report OBOM

Acute Buruli Ulcer Wounds
Patient No. 004

1. Demographic data
   
   Sex: Female
   Age: 4 years

2. Wound description

   BU Category I (see Photo documentation)

   ![Wound localization](image)

   ![Change in wound size](image)

3. Medical History

   Nil of significance

   Wound History:
   Wound observed since: 04/2013
   BU- Treatment: 08/10/13 - 05/12/13
   Wound healed: 30/10/13

4. Physical examination

   Body- Mass- index (BMI) 15.0 kg KG/m²
   All systems normal

5. Current Medication

   Streptomycin 330mg, Rifampicin 150mg. 56 doses taken
   Patient had been on BU treatment for 8 days before enrolment
6. Laboratory

BU confirmation: PCR (+) ZN (-) for *M. ulcerans*
Retroscreen: Non reactive

7. Photo documentation

Day 0 1 week
Case Report OBOM

Acute Buruli Ulcer Wounds
Patient No. 008

1. Demographic data
   
   Sex: Male
   Age: 40 years

2. Wound description
   
   BU Category III (see Photo documentation)

3. Medical History
   
   Nil of significance

   Wound History:
   Wound observed since: 09/2013
   BU- Treatment: 30/10/13- 26/12/13
   Last wound healed: 04/2014

4. Physical examination
   
   Body- Mass- index (BMI) 18.73 kg KG/m²
   All systems normal

5. Current Medication

   Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken
6. Laboratory

BU confirmation: PCR (+) ZN (-) for *M. ulcerans*
Retroscreen: Non reactive

7. Photo documentation

Day 0       2 months        4 months       >6 months

Day 0       2 weeks         4 weeks        6 weeks

Day 0       1 month         2 months       3 months
Case Report OBOM

*Acute Buruli Ulcer Wounds*

Patient No. 010

1. **Demographic data**
   
<table>
<thead>
<tr>
<th>Sex</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>10 years</td>
</tr>
</tbody>
</table>

2. **Wound description**

   BU Category III (see Photo documentation)

   ![Wound localization](image.jpg)

   ![Change in wound size](image2.jpg)

3. **Medical History**

   Nil of significance

   **Wound History:**
   
   Wound observed since: 05/2013
   
   BU- Treatment: 13/11/13- 20/01/14
   
   Wound healed: 11/12/13

4. **Physical examination**

   *Body- Mass- index (BMI)* 17.86 kg KG/m²

   *All systems normal*

5. **Current Medication**

   Streptomycin 750mg, Rifampicin 450mg 56 doses taken
6. Laboratory

BU confirmation:  PCR (+) ZN (-) for *M. ulcerans*
Retroscreen: Non reactive

7. Photo documentation

**Wound 10a**

<table>
<thead>
<tr>
<th>Day 0</th>
<th>1 week</th>
<th>2 weeks</th>
</tr>
</thead>
</table>

**Photo documentation:**

**Wound 10b**

<table>
<thead>
<tr>
<th>Day 0</th>
<th>2 weeks</th>
</tr>
</thead>
</table>
Case Report OBOM

*Acute Buruli Ulcer Wounds*

Patient No. 021

1. **Demographic data**

<table>
<thead>
<tr>
<th>Sex</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>23 years</td>
</tr>
</tbody>
</table>

2. **Wound description**

   BU Category III (see Photo documentation)

3. **Medical History**

   Sickle Cell Disease

   **Wound History:**
   - Wound observed since: 12/2013
   - BU- Treatment: 21/05/14- 29/07/14
   - Wound healed: 11/2014

4. **Physical examination**

   - *Body- Mass- index* (BMI) 20.69 kg KG/m²
   - *All systems normal*

5. **Current Medication**

   - Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken
   - Haematinics
6. Laboratory

BU confirmation: PCR (+) ZN (-) for *M. ulcerans*
Retroscreen: Non reactive
Hb electrophoresis: SS genotype

7. Photo documentation:

Day 0

3months

5months
Case Report OBOM

Acute Buruli Ulcer Wounds
Patient No. 022

1. Demographic data
   Sex: Male
   Age: 57 years

2. Wound description
   BU Category III (see Photo documentation)

3. Medical History
   Hypertensive
   Wound History:
   Wound observed since: 03/2014
   BU- Treatment: 04/06/14 - 03/08/14
   All wounds healed by: 12/11/2014

4. Physical examination
   Body- Mass- index (BMI) 24.93 kg KG/m²
   All systems normal

5. Current Medication
   Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken
6. Laboratory

BU confirmation:  PCR (+) ZN (-) for *M. ulcerans*
Retroscreen: Non reactive

7. Photo documentation: Wound 22a

Day 0  
1 month  
2 months  
3 months

Wound 22b

Day 0  
1 month  
2 months  
3 months
Case Report OBOM

Acute Buruli Ulcer Wounds
Patient No. 023

1. Demographic data

Sex: Male
Age: 2.5 years

2. Wound description

BU Category I (see Photo documentation)

![Wound localization](image)

![Change in wound size](image)

3. Medical History

Nil of significance

Wound History:
Wound observed since: 04/2014
BU- Treatment: 02/07/14- 05/09/14
Wound healed by: 04/08/2014

4. Physical examination

Body- Mass- index (BMI) 15.95 kg KG/m²
All systems normal

5. Current Medication

Streptomycin 330mg, Rifampicin 150mg. 56 doses taken
6. Laboratory

BU confirmation:  PCR (+) ZN (+) for *M. ulcerans*
Retroscreen: Non reactive

7. Photo documentation:

Day 0  
2weeks  
>4weeks
## Case Report OBOM

**Acute Buruli Ulcer Wounds**  
**Patient No. 024**

### 1. Demographic data

<table>
<thead>
<tr>
<th>Sex:</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age:</td>
<td>6 years</td>
</tr>
</tbody>
</table>

### 2. Wound description

BU Category II (see Photo documentation)

![Wound localization](image)

### 3. Medical History

Nil of significance

**Wound History:**
- Wound observed since: 07/2014
- BU- Treatment: 20/08/14- 17/10/14
- Wound healed by: 11/2015

### 4. Physical examination

- **Body- Mass- index (BMI)** 14.24 kg KG/m²
- **All systems normal**

### 5. Current Medication

- Streptomycin 330mg, Rifampicin 150mg. 56 doses taken
- Patient had been on BU treatment for 7 days before enrolment
6. **Laboratory**

   BU confirmation:  PCR (+) ZN (-) for *M. ulcerans*
   Retroscreen: Non reactive

7. **Photo documentation:**

![Images of leg changes over time](image1.jpg)  
Day 0  
3months  
5months  
11months
Case Report OBOM

Acute Buruli Ulcer Wounds
Patient No. 025

1. Demographic data
   Sex: Female
   Age: 42 years

2. Wound description
   BU Category I (see Photo documentation)

3. Medical History
   Nil of significance
   Wound History:
   Wound observed since: 10/2014
   BU- Treatment: 05/11/14- 17/12/14
   Wound healed by: 10/12/14
   Patient was lost to follow up after 4 weeks of treatment

4. Physical examination
   Body- Mass- index (BMI) 22.9 kg KG/m²
   All systems normal

5. Current Medication
   Streptomycin 1000mg, Rifampicin 600mg. 26 doses taken
   Patient had been on BU treatment for 7 days before enrolment.
### 6. Laboratory

BU confirmation: PCR (+) ZN (-) for *M. ulcerans*

Retroscreen: Non reactive

### 7. Photo documentation:

<table>
<thead>
<tr>
<th>Day 0</th>
<th>2weeks</th>
<th>&gt;4weeks</th>
</tr>
</thead>
</table>

![Day 0 photo](image1)

![2weeks photo](image2)

![>4weeks photo](image3)
### Case Report OBOM

**Acute Buruli Ulcer Wounds**  
Patient No. 026

#### 1. Demographic data

| Sex   | Male  
|-------|-------
| Age   | 36 years |

#### 2. Wound description

BU Category III (see Photo documentation)

![Wound localization image](image)

#### 3. Medical History

Nil of significance  

**Wound History:**

- Had a previous large wound at same site treated with herbal medication 25 years before new wound  
- New wound observed since: 09/2014  
- BU- Treatment: 05/11/14 - 02/01/15  
- Wound healed by: 03/2015

#### 4. Physical examination

- **Body Mass index (BMI)**: 22.5 kg/m²  
- **All systems normal**

#### 5. Current Medication

- Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken  
- Patient had been on BU treatment for 7 days before enrolment.  
- Paracetamol
6. Laboratory

BU confirmation:  PCR (+) ZN (-) for *M. ulcerans*
Retroscreen: Non reactive

7. Photo documentation:  

Day 0  
2months  
4months
## Case Report OBOM

**Acute Buruli Ulcer Wounds**

Patient No. 027

### 1. Demographic data

<table>
<thead>
<tr>
<th>Sex</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>21 years</td>
</tr>
</tbody>
</table>

### 2. Wound description

BU Category II (see Photo documentation)

<table>
<thead>
<tr>
<th>Wound localization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wound, left foot, medial malleolus</td>
</tr>
</tbody>
</table>

### 3. Medical History

Nil of significance

**Wound History:**
- Wound observed since: 11/2013
- BU- Treatment: 21/11/14- 26/01/15
- Almost healed

### 4. Physical examination

**Body Mass index (BMI)** 21.5 kg KG/m²

All systems normal

### 5. Current Medication

- Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken
- Patient had been on BU treatment for 5 days before enrolment.
- Paracetamol
### 6. Laboratory

BU confirmation: PCR (+) ZN (-) for *M. ulcerans*

Retroscreen: Non reactive

### 7. Photo documentation:

<table>
<thead>
<tr>
<th>Day 0</th>
<th>5months</th>
<th>7months</th>
<th>9months</th>
</tr>
</thead>
</table>

**Case Report OBOM**  
**Chronic Buruli Ulcer Wounds**  
Patient No. 006

1. **Demographic data**

<table>
<thead>
<tr>
<th>Sex</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>9 years</td>
</tr>
</tbody>
</table>

2. **Wound description**

BU Category II (see Photo documentation)

3. **Medical History**

Nil of significance

**Wound History:**
- Wound observed since: 10/2011
- BU Treatment: 14/08/13 - 09/10/13
- Patient was lost to follow-up after 4 months of wound monitoring

4. **Physical examination**

**Body Mass index (BMI)** 14.58 kg KG/m²  
All systems normal

5. **Current Medication**

Streptomycin 500mg, Rifampicin 300mg. 56 doses taken  
Patient had completed BU treatment 2 weeks before enrolment..
6. Laboratory

BU confirmation: PCR (+) ZN (-) for *M. ulcerans*
Retroscreen: Non reactive

7. Photo documentation:

Day 0 1month 2months 4months
Case Report OBOM

Chronic Buruli Ulcer Wounds
Patient No. 013

1. Demographic data
   Sex: Male
   Age: 45 years

2. Wound description
   BU Category III (see Photo documentation)

3. Medical History
   Retroviral infection
   Wound History:
   Wound observed since: 10/2011
   BU- Treatment: 28/11/13- 24/01/14
   Patient was lost to follow up after 1 month of wound monitoring

4. Physical examination
   Body- Mass- index (BMI) 19.61 kg KG/m²
   All systems normal

5. Current Medication
   Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken
   Patient had been on BU treatment for 20 days before enrolment.
6. Laboratory

BU confirmation: PCR (+) ZN (+) for *M. ulcerans*
Retroscreen: Reactive

7. Photo documentation:

Wound 13a

![Day 0](image1)
![1month](image2)

Wound 13b

![Day 0](image3)
![1month](image4)

Wound 13c

![Day 0](image5)
![1month](image6)

Wound 13d

![Day 0](image7)
![1month](image8)
Case Report OBOM

Chronic Buruli Ulcer Wounds
Patient No. 007

1. Demographic data
   - Sex: Male
   - Age: 49 years

2. Wound description
   - BU Category III (see Photo documentation)

3. Medical History
   - Nil of significance
   - Wound History:
     - Wound observed since: 02/2013
     - Treatment for previous wounds at same sites: 2012
     - Non healing
     - Affected limb with signs of chronic lymphoedema

4. Physical examination
   - Body- Mass- index (BMI) 19.25 kg KG/m²
   - All systems normal

5. Current Medication
   - Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken
   - Patient had completed BU treatment 1 year before enrolment.
6. **Laboratory**

BU confirmation: PCR (+) ZN (-) for *M. ulcerans*

Retroscreen: Non reactive

7. **Photo documentation:**

**Wound 7a**

[Images of wound progression over time]

**Wound 7b**

[Images of wound progression over time]
Case Report OBOM

Chronic Buruli Ulcer Wounds
Patient No. 009

1. Demographic data
   Sex: Female
   Age: 36 years

2. Wound description
   BU Category III (see Photo documentation)

3. Medical History
   Nil of significance
   Wound History:
   Wound observed since: 05/2010
   BU- Treatment: 06/11/13- 02/01/14
   Wound non healing
   Tissue infection

4. Physical examination
   Body- Mass- index (BMI) 38.97 kg KG/m²
   All systems normal

5. Current Medication
   Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken
   Diclofenac
   Oral Cefuroxime (7days) for wound infection
6. **Laboratory**

- BU confirmation: PCR (+) ZN (-) for *M. ulcerans*
- Retroscreen: Non reactive

7. **Microbiology**

- Wound C/S: *Providencia stuartii* cultured (6/11/13)

8. **Photo documentation:**

<table>
<thead>
<tr>
<th>Day 0</th>
<th>2 weeks</th>
<th>4 weeks</th>
<th>10 weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Day 0" /></td>
<td><img src="image2.png" alt="2 weeks" /></td>
<td><img src="image3.png" alt="4 weeks" /></td>
<td><img src="image4.png" alt="10 weeks" /></td>
</tr>
</tbody>
</table>
Case Report OBOM

_Chronic Buruli Ulcer Wounds_
Patient No. 012

1. **Demographic data**
   - **Sex:** Female
   - **Age:** 32 years

2. **Wound description**
   - BU Category II (see Photo documentation)

3. **Medical History**
   - Nil of significance
   - **Wound History:**
     - Wound observed since: 11/2010
     - BU- Treatment: 14/11/13 - 06/12/13
     - Chronic osteomyelitis suspected
     - Patient was lost to follow-up after 2 weeks of wound monitoring.

4. **Physical examination**
   - Body- Mass- index (BMI) 21.78 kg KG/m²
   - *All systems normal*

5. **Current Medication**
   - Streptomycin 1000mg, Rifampicin 600mg. 22 doses taken
   - Patient had been on BU treatment for 6 days before enrolment
6. Laboratory

BU confirmation: PCR (+) ZN (+) for *M. ulcerans*
Retroscreen: Non reactive

7. Photo documentation:
Case Report OBOM

Chronic Buruli Ulcer Wounds
Patient No. 014

1. Demographic data

   Sex: Female
   Age: 60 years

2. Wound description

   BU Category II (see Photo documentation)

3. Medical History

   Asthmatic

   Wound History:
   Wound observed since: 01/2011
   BU- Treatment: 16/02/11- 10/04/11
   Non- healing wound

4. Physical examination

   Body- Mass- index (BMI) 18.73 kg KG/m²
   All systems normal

5. Current Medication

   Streptomycin 750mg, Rifampicin 450mg. 56 doses taken
   Patient had completed BU treatment 3 years before enrolment
6. **Laboratory**

   BU confirmation:  PCR (+) ZN (-) for *M. ulcerans*
   Retroscreen: Non reactive

7. **Photo documentation:**

   ![Day 0](image1)
   ![9mths](image2)
   ![18mths](image3)
# Case Report OBOM

**Chronic Buruli Ulcer Wounds**  
Patient No. 011

## 1. Demographic data

<table>
<thead>
<tr>
<th>Sex:</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age:</td>
<td>15 years</td>
</tr>
</tbody>
</table>

## 2. Wound description

BU Category II (see Photo documentation)

![Wound localization](image)

- Sinus, right shin

## 3. Medical History

<table>
<thead>
<tr>
<th>Nil of significance</th>
</tr>
</thead>
</table>

**Wound History:**

- Wound observed since: 11/2011
- BU Treatment: 13/11/13- 15/01/14
- Chronic osteomyelitis (confirmed by X-ray - see below)

## 4. Physical examination

- **Body- Mass- index (BMI)** 18.96 kg KG/m²
- **All systems normal**

## 5. Current Medication

- Streptomycin 750mg, Rifampicin 450mg. 56 doses taken
- Ciprofloxacin (6weeks on account of osteomyelitis)
### 6. Laboratory

BU confirmation: PCR (+) ZN (-) for *M. ulcerans*
Retroscreen: Non reactive

### 7. Microbiology

Repeated (3x) cultures of sinus aspirate: *Proteus mirabilis* isolated

### 8. Photo documentation:

![Image of the affected area with a lesion and surrounding tissues.](image1)

![Image showing an X-ray of the affected leg and knee.](image2)
Case Report OBOM

Chronic Buruli Ulcer Wounds
Patient No. 020

1. Demographic data

<table>
<thead>
<tr>
<th>Sex</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age</td>
<td>33 years</td>
</tr>
</tbody>
</table>

2. Wound description

BU Category III (see Photo documentation)

3. Medical History

Nil of significance

Wound History:
- Wound observed since: 06/2013
- BU- Treatment: 05/02/14 - 02/04/14
- Chronic osteomyelitis (confirmed by X-ray - see below)

4. Physical examination

- Body Mass index (BMI) 22.05 kg KG/m²
- All systems normal

5. Current Medication

- Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken
- Ciprofloxacin (6 weeks on account of osteomyelitis)
- Rifampicin for additional 6 weeks on account of osteomyelitis
6. **Laboratory**

BU confirmation: PCR (+) ZN (+) for *M. ulcerans*
Retroscreen: Non reactive

7. **Microbiology**

Repeated (3x) cultures of sinus aspirate: *S.aureus* isolated

8. **Photo documentation:**

Before treatment

After 6 weeks of treatment
Case Report OBOM

Chronic Buruli Ulcer Wounds
Patient No. 005

1. Demographic data
   Sex: Female
   Age: 22 years

2. Wound description
   BU Category III (see Photo documentation)

3. Medical History
   Nil of significance
   Wound History:
   Wound observed since: 02/2013
   Wounds at the same localization on 2 previous occasions:
   2001-2004 (healed)
   01/2010-03/2011 (healed)
   BU- Treatment: 01-03/2011
   02/2014 wound biopsy for histopathology
   Results: well differentiated invasive squamous cell carcinoma
   02/2014 chest X-ray: "lung fields look normal"
   X-ray of right foot: 2 lateral digits together with metatarsals absent

4. Physical examination
   Body- Mass- index (BMI) 16.73 kg KG/m²
   Very pale, slightly jaundiced
   Hepatomegaly, 2 cm below costal margin.
   Spleen not palpable.
   Inguinal lymph nodes enlarged

5. Current Medication
   Streptomycin 1000mg, Rifampicin 600mg. 56 doses taken
   Diclofenac, Tramadol, Fersolate, Vitamin C
6. Laboratory

BU confirmation: PCR (+) ZN (+) for *M. ulcerans*
Retroscreen: Non reactive
Hb: 5.5g/dl

7. Microbiology

Wound culture: *Proteus Mirabilis* isolated

8. Photo documentation: