SRS Global Outreach Mission Report Form

Site: FOCOS Ghana, West Africa
Dates: November 16th to December 5, 2009
Hospital:
Korle Bu Teaching Hospital
CLINC: FOCOS Watson house Clinic

MISSION ATTENDEES:

Surgeons:

T. Koulouvaris, MD  Greece
C. Karauolias, MD  Greece
H.J. Kim, MD  USA
J. Feinberg, MD  USA
R. Rahman, MD  USA
M. Mendelow, MD  USA
R. S. Bess, MD  USA
J. Bago, MD  Spain
Y.J. Kim, MD  USA
C. Sacramento, MD  Canary Island
M. Gupta, MD  USA
O. Boachie-Adjei, MD  USA

Nurses:

A. Brijmohan, RN  USA
S. Nesbitt, RN  USA
R. Slote, RN  USA
D. Gums, RN  USA
W. Chin Ng, RN  USA
S. Reid, ST  USA

Anesthesiologist:

None

Physician’s Assistants:

Scoliosis Research Society
555 East Wells Street, Suite 1100
Milwaukee, WI 53202-3823 USA
www.srs.org
L. Fabrizio, PNP   USA
B. Wright, PA   USA

Instrument Reps:
G. Ames   USA

SC Monitoring Tech/s:
S. Kettlewell   USA
P. Gauthier   USA

Physical Therapist:
B. Almonte   USA
J. Joseph   USA
J. Graziano   USA
K. Palmieri   USA

Orthotics:
J. Baczkowski   USA

Support staff:
A. King   USA (Research)
B. Kouris   Greece (Photographer)
G. Aggelos   Greece (Journalist)
W. Little   USA (4th yr law student)

Administrative Personnel:
P. Kui   USA

Host Surgeons: O. Boachie-Adjei, Jerome Boatey, Harry Akoto, Dakura, Ofori Addo

Surgeon Visitors:

DATES
Travel Dates:
Dates for Next Trip: May 17 to 29th 2010

FUNDING

Trip Funding/Estimated Costs:
Approximate Total cost: $87,450.0

SUBMITTED BY: ___________ B.W. ___________ DATE: __1-19-2010__

CLINICAL ACTIVITY

Days in Clinic: 10
No. of Patients Seen:
Patient/Dx list:
Potts Disease
TB Kyphosis
Idiopathic Scoliosis
Congenital Scoliosis
Neuro Muscular Scoliosis
Osteoarthritis
Pseudarthrosis
Broken & prominent hardware

O.R. ACTIVITY

Days in OR: 14
No. of Surgeries: 35 Spine, 10 TKR
Surgical List: Patient Name/Medical Record No./Age/Sex/ Dx/Procedure

Posterior spinal fusion with instrumentation /
PSF revision, ASF strut graft
PVCR
PSF, SPO, PSF Thoracoplasty, PSF Hemi resection,
### FOLLOW-UP:

<table>
<thead>
<tr>
<th>Patient Name:</th>
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<tbody>
<tr>
<td>Number:</td>
<td></td>
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<tr>
<td>Diagnosis:</td>
<td></td>
</tr>
<tr>
<td>DOS:</td>
<td></td>
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<tr>
<td>Surgical procedure:</td>
<td></td>
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<td>Date complication recognized:</td>
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<td>Treatment of Complication:</td>
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<td>Final Outcome:</td>
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### EDUCATIONAL ACTIVITIES

#### Lectures: Presenters/Authors/ Topics
- Pain Management
- Post Operative care of the complex spine patients

#### Case Presentations:
See below

#### Surgical Tutorials: Faculty/topics
- Orthopedic and Neurosurgery rounds

#### Instructional Courses: Faculty/topic
None

### RESEARCH ACTIVITIES: SRS scores AIS vs Normal controls
**SRS Outcomes forms collected:**  
☑ Yes ☐ No  
Comments:  
Characterization of SRS outcome score and difference in surgical AIS and normal controls

**SRS M/M Reported:**  
☐ Yes ☐ No  
Comments:  
No, although we have a number of SRS member as a part of the team.

**Other complications to report:**  
☑ Yes ☐ No  
Comments:  
5 patients experienced lower extremity weakness (resolving)

**FOCOS database completed/submitted for all clinic patients:**  
☑ Yes ☐ No  
Comments: 

**Other Research:**  
☐ Yes ☐ No  
Comments:  
Collaboration with Axial Biotech in AIS genetics in the African population  
External site for Dr Boachie’s BrAIST study population for FOCOS patients seen in New York

**MISCELLANEOUS**

**Trip Budget:**  
$87,450.00

**Hospital:**  
Korle Bu Teaching Hospital
Implants:
K2M range
Stryker
Moss-Miami
Depuy Expedia, Isola
Exactect

Surgical:

Equipment:
Cell-saver
Bi-Polar
Spinal cord monitoring

Bone Graft:
Osteotect

Anesthesia:
Provided by local Anesthesiologist
<table>
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<tr>
<th><strong>Post Op Care Issues:</strong></th>
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<tr>
<td>Per Diem nurses hired to assist in post-operative care</td>
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<tr>
<th><strong>Special Post Op Care Needed:</strong></th>
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<td>2 patients required short term ventilators, Extubated and discharged with uneventful outcomes.</td>
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<th><strong>Travel:</strong></th>
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<tr>
<td>By FOCOS vehicles which are driven by FOCOS drivers</td>
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<tr>
<th><strong>Safety:</strong></th>
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<td>Security on the guesthouse compound and the clinic</td>
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<table>
<thead>
<tr>
<th><strong>Housing:</strong></th>
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<tr>
<td>FOCOS guesthouse ( Guests of Mrs. Hilda Boachie-Adjei )</td>
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<tr>
<th><strong>Food:</strong></th>
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<tr>
<td>Prepared by FOCOS chefs</td>
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<th><strong>Personnel:</strong></th>
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Local FOCOS staff at Watson House Clinic
Local KBTH staff

Interpersonal:

Health:
All Volunteers receive travel inoculations prior to visit.
Emergency kit and medication kept in vehicles and on premises
HIV test kit and medication on hand- never used them
All patients are tested for HIV and counseled against surgery
FOCOS internist available to care for a sick volunteer.
Malaria prophylaxis provided to all volunteers

Special Activities:
Cultural tour of Slave castles @ Cape Coast
Thanksgiving Dinner

Miscellaneous concerns/comments:

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<th>NEXT TRIP</th>
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<td>Dates: May 18 to 29th 2010</td>
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| Potential Surgical Cases For Next Trip: |
| Pediatric and adult spines (Scoliosis, Kyphosis and post traumatic deformities) |
| Approximately 35 patients |

| Issues to Consider on Next Trip: |
CASE REPORT AND TRIP PICTURES

M.A.A.10F, Ethiopia

Diagnosis: Congenital Kyphoscoliosis

Procedure: PSF T3-L4, T5-T9 R.thoracoplasty with intra-operative Halo and skin traction
It was my first time to Africa.
Africa continent reminds me of old Korea, colonized by Japan for 36 years.
It was amazing trip to me as a personal and professional reason.
Ghana reminded me of my old home town in Korea as well as my elder brother, who is now 55-year-old and has thoracolumbar Kyphosis of 120 degree due to Tuberculosis Kyphosis.
Now he has 15% pulmonary function only and needs oxygen for daily life.
The Ghana trip seemed like a kind of travel back in time to me.
I have many chances to meet my brothers there.
I am very grateful to God and FOCOS for allowing me to participate in this great medical mission as professional and personal aspect.
Hope to see my African friends ASAP!!!
Pre op AP and Lateral radiographs show a severely rigid and decompensated scoliosis of 120 degrees with pelvic obliquity. Note the trunk shift and shoulder asymmetry.
PSF T3-L4, T5-T9 R.thoracoplasty with intra-operative Halo and skin traction
EBL: 1200 ml
Fluids: cell saver 350 ml, 1.2 L L.R, Urine 400ml

Intraoperative position with Halo –leg traction and exposure of previously detethered cord and multiple congenital anomalies required osteotomies.
Multiple pedicle screws and 5.5mm K2m range Mesa cobalt chrome rod used for spine realignment
POST OP AP AND LATERAL XRAYS
Post op

• Complications: Dural tear repaired with 5-0 prolene.
• Vent for 1 week
Post OP

PRE AND POST OP PHOTOS
Ethiopia patients with chaperons on arrival in Addis Ababa after discharge. Case reported is second from left
FOCOS CONTINGENT for the NOVEMBER 2009 MISSION PROGRAM in GHANA
FOCOS CONTINGENT for the NOVEMBER 2009 MISSION PROGRAM in GHANA