Simplified Inventory List for Swedish ENT Surgeons working in Kenya at KEF Centres
(version – June 2006)

Western circuit:

Mukumu

OPD:

2 Electrical ENT chairs: The old one with a burnt motor (under repair in Kisumu). The Swedish Service Team in 2002/02 has repaired the new one from Migori – now in use in Mr Ogolas office.
1 pear-formed ENT light on stand (12V, 15W bulb with earthling in the foot).
1 head mirror.
1 head light with 6V, 0,4A bicycle lamp and transformer.
Fibreoptic light source and headlight: **Still missing (2003)!**
Basic ENT examination equipment: **Available in fair amount.**
Spirit lamp: yes
1 ear syringe.
1 tuning fork.
Clinical audiometer: 1 Madsen OB 822 (calibrated 2003/10) + 2 Madsen OB 70 for spares.
Screening audiometers: Tegner PTA-8 (calibrated in 2003/10) + Diagnostic audiometer Madsen (calibrated in 2001).
Tympanometer: Grason-Stadler GSI 28 (checked 2002/02). *New papers for registering the curves were sent from Sweden 2002/02. Pens are no longer available!*
Suction unit: Borrowed from theatres - electrical Medela basic-036. It needs a new plastic bottle.
Microscope for ear examinations: Old type Zeiss (white OpMi 1 - repaired and checked 2002/02). This microscope is now out of order – missing objective house!

THEATRE:

1 Nasal surgery set – some instruments are a bit bigger and coarser than in Sweden.
2 Adeno-tonsillectomy sets - some instruments are a bit bigger and coarser than in Sweden.
1 Ear surgery set – disposable sucker tips, grommets and parascenthesis needles need to be brought.
1 headlight donated by Drs Söderberg and Lyckberg in Febr 2003.

Ear drill and motor: Electrical KaVo with an old foot control + 2 angled and 2 straight handpieces**. According to the team in Febr 2003 just one handpiece was functioning! Please, observe that the handpieces must be regularily lubricated with dental drill-spray**.
Cutting burrs – number unknown. Diamond burrs donated by Dr Åberg – number unknown.
The microscope for ear surgery is a Zeiss OpMi 1-H with a 200-mm lens only. *If microlaryngoscopy should be possible to perform with this microscope it needs a 400-mm lens. For ear surgery it should also be preferable with a 250 mm lens. The Swedish ENT surgeons should ask Zeiss about it.* A spare bulb, 12V, 100W projector lamp with 2 pins should be brought – *Buy from Zeiss*.
1 microlarynx set for children and adults (2 laryngoscopes) including chest support and all instruments. Please, observe that there is no Storzcable!
They have a Pentax and an Olympus light source for gastroscopies, but not for Storz-end cables fitting the laryngoscopes. Therefore Dr D´Cruz suggests that they buy a new fibreoptic cold light source with an adapter to receive Storz-end cables for the microlarynx set.
1 old Diathermy machine for monopolar usage. *The Vallylab SSE2K diathermy machines are out of order and impossible to repair because spare parts are not available anymore (according to Mr Sture Högosta in the Swedish Service team in 2002/02).* The hospital must purchase a new diathermy machine for their requirements.
There is a fibrelaryngoscope - *we don't know if there is a suitable light source.*
There are 2 Fazzini suckers.
Cardioscope: Yes.
2 Pulse-oximeters – not working.

Kaplong

OPD:

1 electrical ENT chair.
1 pear-formed ENT light on stand without intact bulb 12V, 15W with earthling in the foot – this lamp will be given from Migori (according to Dr D´Cruz in March 2002). **This lamp was not in Kaplong in Jan 2003.**
1 head mirror.
1 head light with 6V, 0,4A bicycle lamp and transformer.
1 Fibreoptic headlight.
Basic ENT examination equipment: **Available in small amount.**
Spirit lamp: ?
1 ear syringe.
1 Siegle pneumatic otoscope.

2 otoscopes without batteries and bulbs!
1 nice set of tuning forks.
Clinical audiometer: Madsen OB 822 (calibrated 2003/10).
Screening audiometer: Danaplex (not calibrated 2002/02).
Tympanometer: Madsen portable TympScreen (not checked).
Suction unit: An electrical Egnell.
Microscope for ear examinations and ear surgery: Zeiss OpMi 99. Is working well (Oct. 2003). A spare fiberoptic cable is available. *We don't know which kind of lenses that are available.* According to Dr D´Cruz this microscope also has an ophthalmic head. **This microscope was transported around on the western circuit by the team in Jan/Febr 2003 and in Oct 2003. It is important to locate it before you come!!!**

THEATRE:
1 Nasal surgery set – some instruments are a bit bigger and coarser than in Sweden.
1 Adeno-tonsillectomy set - some instruments are a bit bigger and coarser than in Sweden. **The pair of tonsil-scissors was out of order in Jan 2003**.
1 Ear surgery set
Disposable sucker tips, grommets and parascenthesis needles need to be brought.
Ear drill and motor: Bien Air with an old foot control and 1 straight handpiece. Cutting and diamond burrs are available - number unknown. **Please, observe that the handpieces must be regularily lubricated with dental drill-spray**.
1 microlarynx set for children and adults (2 laryngoscopes) including chest support and all instruments - **In Oct 2003 they were in Mukumu.**
1 Fibreoptic light source - Explorent Endohal 1 with Wolf fitting. One cold light cable for Storz. The bulb has blown and two extra spare bulbs 150W, 15V – projector type with two pins are needed. The light source should only be used with a voltage guard!
Diathermy machine (Select-Sutter BM 780, Freiburg, Germany). In Oct 2003 the probes for monpolar diathermy were not found.
1 Cardioscope - but it is not in use.
1 Pulse-oximeter.

Migori

OPD:
1 electrical ENT chair.
2 pear-formed ENT lights on stand – **where not found in Jan 2003.**
1 head mirror – **not found in Jan 2003.**

1 head light **with a broken bulb which is difficult to replace (Jan 2003).**
1 Fibreoptic headlight (Explorent) (may be stored in Pharmacy store)
Basic ENT examination equipment: **Very few instruments.** Bring extra aural and nasal specula, tongue depressors and mirrors.
Spirit lamp: made from a small bottle.
1 ear syringe.
1 tuning fork.
Clinical audiometer: Madsen OB 70 (calibrated 10/2003).
Tympanometer: Madsen portable TympScreen (same).
Suction unit: No – can be borrowed from theatres.
Microscope for ear examinations: Old type white Zeiss, marked Umeå sjukhus (OpMi 1) with a 200-mm lens. There is a need for a 250-mm lens for ear surgery and a 400-mm lens for microlaryngoscopy procedures. Please, bring lenses if you have at home. The microscope needs a spare bulb 6V, 30W (made in Germany).

THEATRE:

1 Nasal surgery set – some instruments are a bit bigger and coarser than in Sweden.
1 Adeno-tonsillectomy set - some instruments are a bit bigger and coarser than in Sweden.
1 Ear surgery set – disposable sucker tips, grommets and parascenthesis needles need to be brought.
Ear drill and motor: Probably an electrical KaVo with angled handpiece. Cutting and diamond burrs – number unknown. **Please, observe that the handpieces must be regularily lubricated with dental drill-spray**.

No microlarynx set for children and adults. Has to be shared with Mukumu and transported from them when needed in Migori.
All microlaryngoscopy equipment was found in Mukumu in Oct. 2003.
1 Fibreoptic light source - Explorent Endohal 1 with cold light cable and adapter for Storzcables. An extra spare bulb 150W, 15V – projector type with two pins is needed.
Diathermy machine (Select-Sutter BM 780, Freiburg, Germany).
1 Cardioscope.
1 Pulse-oximeter.

Eastern Circuit:

Mathari – Nyeri

OPD:
1 electrical ENT chair
1 pear-formed ENT light on stand (12V, 15W bulb with earthling in the foot).
1 head mirror.
1 head light with 6V, 0,4A bicycle lamp and transformer (in theatre).
1 Fibreoptic headlight with fibreoptic cable + adapter to the light source.
Basic ENT examination equipment: **Available in fair amount.**
Spirit lamp: Yes
3 ear syringes.
1 tuning fork.
Clinical audiometer: 1 Madsen OB 70 (2 more for spare parts) (calibrated 2002/02).
Screening audiometers: Madsen TBS 60 (calibrated 2002/02) + Amplaid 100 which was out of batteries and not cailbrated (it needs 2 flat MN1203 3LR12, 4,5 Volts).
Tympanometer: 1 Madsen ZO 2020 with printer and monitor (checked 2002/02) – the manual is copied also for Nkubu where there is a similar tympanometer.
Suction units: 1 electrical old and weak. A new one (Egnell) is provided in January 2003.
Microscope for ear examinations in OPD: An old type of Zeiss OpMi-1 with a 250-mm lens. Bring extra bulbs – 6v, 30W (made in Germany).
Microscope for surgery: Zeiss OpMi 99 with a 200-mm and 400-mm lens. *The 250-mm lens is missing and Dr D´Cruz is looking for it.* According to him, the microscope also has an ophthalmic head.

THEATRE:
1 Nasal surgery set – some instruments are a bit bigger and coarser than in Sweden.
2 Adeno-tonsillectomy sets - some instruments are a bit bigger and coarser than in Sweden.
1 Ear surgery set – disposable sucker tips and grommets need to be brought.
Ear drill and motor: Bien Air with broken motor. Patrick does have contact with dealer in Sweden for repair. He will borough from Nkubu if necessary. 1 straight and 1 angled handpiece. 14 cutting burrs and 8 diamond burrs. **Please, observe that the handpieces must be regularily lubricated with dental drill-spray**.
1 microlarynx set for children and adults (2 laryngoscopes) including chest support and all instruments.

1 Fibreoptic light source - Explorent Endohal 1 with cold light cable. An extra spare bulb 150W, 15V – projector type with two pins is needed. The light source should only be used with a voltage guard!
The hospital's diathermy machine is old and for monopolar use only. They must buy a new one.
2 Fazzini suckers (very noisy).
1 Pulse-oximeter.
Cardioscope: **No**

Nkubu

OPD:

1 electrical ENT chair
1 head mirror.
1 head light with 6V, 0,4A bicycle lamp and transformer.
2 Fibreoptic head lights (one in theatre and one in OPD).
Basic ENT examination equipment: **Available in small amount.**
Spirit lamp: Yes
1 ear syringe.
1 tuning fork.
Clinical audiometer: 1 Madsen OB 822 - calibrated 2002/02.
Screening audiometers: 1 Danplex AS 50 and 1 Tegner with restricted max. output levels (both were calibrated 2002/02).
Tympanometers: 1 Madsen portable TympScreen and 1 Madsen ZO 2020 without printer and monitor (has to be looked for). Everything was checked in November 2003.
Suction unit: Electrical Fazzini.
Microscope for ear examinations and surgery: Zeiss OpMi 99 with a 250-mm and 400-mm lens. According to Dr D´Cruz this microscope also has an ophthalmic head.

THEATRE:

1 Nasal surgery set – some instruments are a bit bigger and coarser than in Sweden.
1 Adeno-tonsillectomy set - some instruments are a bit bigger and coarser than in Sweden.
1 Ear surgery set (a new double curette will be sent by Dr Anna-Karin Vargö) – disposable sucker tips, grommets and parascenthesis needles need to be brought.
Ear drill and motor: Bien Air with 1 straight and 1 angled handpiece. 14 cutting burrs and 8 diamond burrs. **Please, observe that the handpieces must be regularily lubricated with dental drill-spray**.

1 microlarynx set for children and adults (2 laryngoscopes) including chest support and all instruments. It has to be shared with Maua (according to Dr D´Cruz).
1 Fibreoptic light source - Explorent Endohal 1 with cold light and adapter for Storzcables. An extra spare bulb 150W, 15V – projector type with two pins is needed. The light source should only be used with a voltage guard!
Diathermy machine (Select-Sutter BM 780, Freiburg, Germany). In May 2002 (according to Dr D´Cruz) the supplier has sent new monopolar cables and handles. A bipolar forceps and cable should also be available.
1 Pulse-oximeter.
Cardioscope: **No.**

Maua

OPD:

1 electrical ENT chair
1 head mirror.
1 head light with 6V, 0,4A bicycle lamp and transformer.
1 Fibreoptic head light with light source - *old hospital owned in theatres.*
Basic ENT examination equipment: **Available in fair amount.**
Spirit lamp: Yes
1 ear syringe
1 tuning fork.
Clinical audiometer: 1 Madsen OB 822 – repaired by Church Health Care Technical Services in 2002 and calibrated in February 2003..
Tympanometers: 1 Madsen portable TympScreen (checked 2002/01) and 1 Teledyne TA-6C (checked 2003) and possible to use with transformer - it lacks a manual).
Suction unit: Electrical Fazzini has to be borrowed from theatres.
Microscope for ear examinations and surgery: Zeiss OpMi 1Fc (for eye surgery) - checked 2002/01 and supplied with extra parts to be convertible into an ear microscope. It has a 300-mm lens only. Check that the technician in the hospital (Ben) has received a manual for this microscope.

THEATRE:

1 Nasal surgery set – some instruments are a bit bigger and coarser than in Sweden.
1 Adeno-tonsillectomy set - some instruments are a bit bigger and coarser than in Sweden.
1 Ear surgery set (a double curette and a round knife is missing) – disposable sucker tips, grommets and parascenthesis needles need to be brought.

Ear drill and motor: Bien Air with 1 straight handpiece. 14 cutting burrs and 8 diamond burrs. **Please, observe that the handpieces must be regularily lubricated with dental drill-spray**
No microlarynx set for children and adults. Has to be shared with Nkubu and transported from them when needed in Maua.
1 Fibreoptic light source - Explorent Endohal 1 with cold light cable and adapter for Storzcables. An extra spare bulb 150W, 15V – projector type with two pins is needed. The light source should only be used with a voltage guard!
1 Fiberoptic light source "Storz" (hospital owned).
Diathermy machine (Select-Sutter BM 780, Freiburg, Germany. A bipolar forceps and cable is available.
1 Cardioscope.
1 Pulse-oximeter.

The responsible persons (Matron, MO in charge, theatre-nurses, ENT-CO and/or ENT-nurses) should check all items listed at their respective hospitals.

All Swedish voluntary ENT surgeons should check this list at the hospitals where they work and make comments and corrections so that it can always be upgraded.
Please, check it through with the hospital administration before you leave the hospital and than return the corrected list to:

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