

Workshop on Workplace Measurement of Skin Barrier and Physiology

Date: Saturday, 4 June 2011

Time: 0900 to 1700

Location: Room 241, Li Ka Shing Knowledge Institute, St. Michael's Hospital, 209 Victoria Street

Objectives: Bring together international experts in dermatology, exposure assessment, and related disciplines to develop guidance for workplace measurement of: 1) skin surface pH, 2) skin transepidermal water loss (TEWL), and 3) skin hydration and decide which parameters should be measured together.

Agenda:

0900 – 0910: Introductions and Workshop goals

Skin surface pH

0910 – 0920: Instrumentation (speaker TBD)

0920 – 0930: Clinical measurement (speaker TBD)

0930 – 0940: Workplace measurement experiences (Johan du Plessis)

0940 – 1025: Structured group discussions – skin surface pH

- What instruments are available?
- What are the most important factors influencing measurement (endogenous, exogenous, instrumental)?
- What is an acceptable workplace measurement protocol?

1025 – 1035: Morning refreshments (provided)

1035 – 1120: Structured group discussions – skin surface pH

- How are measurement values interpreted (variability, controls, reference values)?
- Minimum data reporting (units, measurement conditions, etc)?
- Is our current understanding sufficient to recommend guidance for workplace measurement (i.e., publishable protocol)?

Skin transepidermal water loss (TEWL)

1120 – 1130: Instrumentation (speaker TBD)

1130 – 1140: Clinical measurement (speaker TBD)

1140 – 1150: Workplace measurement experiences (Johan du Plessis)

1150 – 1250: Lunch (provided)

1250 – 1420: Structured group discussions – skin transepidermal water loss (TEWL)

- What instruments are available?
- What are the most important factors influencing measurement (endogenous, exogenous, instrumental)?
- What is an acceptable workplace measurement protocol?
- How are measurement values interpreted (variability, controls, reference values)?
- Minimum data reporting (units, measurement conditions, etc)?
- Is our current understanding sufficient to recommend guidance for workplace measurement (i.e., publishable protocol)?

1420 – 1435: Afternoon refreshments (provided)

Skin hydration

1435 – 1445: Instrumentation (speaker TBD)

1445 – 1455: Clinical measurement (speaker TBD)

1455 – 1505: Workplace measurement experiences (Johan du Plessis)

1505 – 1635: Structured group discussions – skin hydration

- What instruments are available?
- What are the most important factors influencing measurement (endogenous, exogenous, instrumental)?
- What is an acceptable workplace measurement protocol?
- How are measurement values interpreted (variability, controls, reference values)?
- Minimum data reporting (units, measurement conditions, etc)?

1635 – 1700: Workshop summary

- Is our current understanding of skin surface pH, transepidermal water loss, and hydration index sufficient to recommend guidance for workplace measurements?
- Publication of guidance? (journal, timeline, authorship, etc.)