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Defense of Dissertation

Automatic Assessment of Neonatal Pain

by

Ghassan Al-Zamzami

For the Ph.D. degree in Computer Science & Engineering

The current standard for neonatal pain is discontinuous and subjective, which can lead to over-treatment. Therefore, a standard and develop continuous pain assessment tools. This dissertation introduces an automatic and comprehensive neonatal pain assessment system. The presented system analyzes facial, vocal, and body movements to assess neonatal pain. The system is designed to be used in a clinical setting for automatic pain assessment in typical neonatal care environments.

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THE PUBLIC HEARING

Examination Committee

Ismail Ismail, Ph.D., Chairperson

Dmitry Goldgof, Ph.D., Co-Major Professor

Yu Sun, Ph.D.

Richard Sampliner, Ph.D.

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