## **Accepted Manuscript**

The effect of blast overpressure on the mechanical properties of a chinchilla tympanic membrane

Junfeng Liang, Zachery A. Yokell, Don U. Nakmaili, Rong Z. Gan, Hongbing Lu

PII: \$0378-5955(16)30610-4

DOI: 10.1016/j.heares.2017.08.003

Reference: HEARES 7410

To appear in: Hearing Research

Received Date: 25 December 2016

Revised Date: 30 July 2017 Accepted Date: 15 August 2017

Please cite this article as: Liang, J., Yokell, Z.A., Nakmaili, D.U., Gan, R.Z., Lu, H., The effect of blast overpressure on the mechanical properties of a chinchilla tympanic membrane, *Hearing Research* (2017), doi: 10.1016/j.heares.2017.08.003.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



### ACCEPTED MANUSCRIPT

### 1 The Effect of Blast Overpressure on the Mechanical Properties of a Chinchilla

2	Tympanic Membrane
3	
4	Junfeng Liang <sup>a</sup> , Zachery A. Yokell <sup>b</sup> , Don U. Nakmaili <sup>b</sup> , Rong Z. Gan <sup>b</sup> , Hongbing, Lu <sup>a</sup>
5	<sup>a</sup> Department of Mechanical Engineering, The University of Texas at Dallas, Richardson, TX
6	75080, USA
7	<sup>b</sup> School of Aerospace and Mechanical Engineering, University of Oklahoma, Norman, OK
8	73019, USA
9	Corresponding author:
10	Hongbing Lu, Ph.D.
11	Professor, Associate Department Head
12	Louis A. Beecherl Jr. Chair
13	Department of Mechanical Engineering
14	University of Texas at Dallas
15	800 W Campbell Rd, ECSN 2.528
16	Richardson, TX 75080-3021
17	Phone: (972)883-4647
18	Fax: (972)883-4655
19	E-mail: hongbing.lu@utdallas.edu

#### Download English Version:

# https://daneshyari.com/en/article/5739308

Download Persian Version:

https://daneshyari.com/article/5739308

<u>Daneshyari.com</u>