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*alternative views.*

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*summarise each*

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Neurophysiology

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for Speech and  
Hearing Sciences  
provides a  
thorough yet  
readable  
examination of  
the  
neuroanatomical  
underpinnings  
within  
communication  
sciences and  
disorders. The  
textbook is

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undergraduate or  
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graduate courses  
Perception  
related to the  
neuroscience of  
speech and  
hearing. Each  
chapter begins  
with detailed  
learning  
outcomes and  
also sets the  
context for the  
content in

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understandable  
terms, providing

the student with

an understanding

of the

importance of

knowing the

material.

Additionally,

each chapter

ends with study

questions to

reinforce the

content and

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check  
comprehension.

After  
introduction to  
the field and to  
anatomical  
concepts, the  
text takes the  
student from  
discussion of  
neurons and  
other basic  
components to  
examination of

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basic reflexes

and sensorimotor  
integration. The  
following  
chapters focus  
on the cerebral  
cortex and its  
function,

particularly as  
related to  
neurophysiology  
of speech and  
hearing. The  
next section of

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**the text**

**discusses**

**subcortical**

**structures, the**

**brainstem,**

**cranial nerves,**

**cerebellum and**

**pathways. The**

**text culminates**

**in discussion of**

**motor control**

**for speech and**

**swallowing. Key**

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with SLP

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informative and  
fascinating  
support to the  
content,  
including focus  
on neuroscience  
as it relates to

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speech-language  
pathology and au

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neurophysiology

of swallowing Det

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of auditory

pathway and

signal

analysis Clearly

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procedures as an  
extension of  
their clinical  
examination, and  
for neurologists  
and physiatrists

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who are  
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neuromuscular  
disorders and  
noninvasive elec  
trodiagnostic  
methods,  
particularly  
those practicing  
electromyography  
(EMG) this book  
provides a  
comprehensive  
review of most

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peripheral nerve

Physiology  
and muscle

Acoustics  
diseases,

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including

specific

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performing each

test.

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scientists and

clinicians, with

the purpose of

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also includes an  
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text of choice for

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principles explicitly

and in translational

terms that emphasize

their relevance to

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processes from  
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of speech and

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science. Provides a

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conceptualizing the

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and levels of

observation of

speech production,

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for preparing both

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graduates for clinical

study. NEW TO

THE THIRD

*Page 116/254*

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address dialectical

and nonnative

language differences

in vowel and

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perception of

speaker identity, and

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(suprasegmental

features) in detail.

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production and what

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Perception of

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remarkable***

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be important for  
memory, it has been  
a prime focus of  
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and speech

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horticulturalists,  
and the general  
public for  
centuries. Charles**

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first scientist to**

**demonstrate  
experimentally  
that some plants  
could**

**actually attract, kill,  
digest, and absorb  
nutrients from  
insect prey; his  
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poaching, habitat

loss, and climatic

change which

directly threaten

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