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A Virtual Workshop



ILARRoundTable Lessons Lear ned: NHPSupply

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RAPID RESPONSE BY
LABORATORY ANIMAL RESEARCH INSTITUTIONS
DURING THE COVID-19 PANDEMIC: LESSONS LEAKING

State of Gobal NPSupply just prior to pandemic

CYNOMOLGUS MACAQUES

Tightness driven by key factors:

- Increased use in China for China
- Increased focus on biologics vs small molecule
- Strength of global economy including research sector

RHESUS MACAQUES

Limited availability based on key factors:

- US produced numbers of Indian origin Rhesus available commercially are limited
- Chinese Rhesus limited availability but not always an acceptable substitute

OTHER NHP MODELS

Smaller more niche models often not readily available

 Purpose bred African Greens, Marmosets

Availability of NHPs already tight going into pandemic

Challenges during the pandemic

- Chinese export restrictions on Non-Human Primates starting in February 2020
 - Majority (60%) of NHPs used in research were imported from China
- Air transport challenges
 - Less regular passenger flights
 - High utilization of cargo for emergency supplies
 - Cost increases with cargo and use of charters
- Prioritization of supply
 - High global demand for remaining available supply
- Which Origin of NHP?
 - Is it even the right model?
- Consideration to expand sources / countries
 - Health risk / industry risk
- Numerous cost increases from suppliers during the year



SCIENCES

The National

Academies of

Lessons learned (getting in front of the next one)

- Continued diversification of sources
 - Expand sources prior to the next pandemic
 - US research community increasing interest in domestic breeding
- Transportation
 - Expand carriers
- Coordination between science and NHP suppliers on correct strain
 - Earlier identification of exact NHP can help secure dwindling inventory
- Set expectations up front for cost variability

