SURVEY OF THE EXPERIENCES OF STAFF WHO CARED SUPPLEMENTARY FEEDING IN CHILDREN WITH MITOCHONDRIAL DISEASES

Abstracts

Background
As the first wave of COVID 19 pandemic was gripping the nation and patient numbers on adult intensive care (AICU) were increasing rapidly, Paediatric Intensive Care Units (PICUs) across the UK offered to admit adults on PICUs.

Objectives
To collect data regarding personal reflections, emotional well-being and stresses on staff who managed adults with COVID-19 on PICU.

Methods
An anonymous online survey, comprised of eleven fixed response and four free text questions, conducted between May and June 2020.

Results
A total, 211 responders from six English PICUs included 134 nurses, 56 physicians and 21 allied health practitioners (AHPs). Two third had > 5 years PICU experience and 47 (22%) had previous adult ICU (AICU) experience.

A majority, 113 (54%) reported that required to take care of adults was most concerning whereas only 58 (28%) were concerned due to COVID 19. Those with previous AICU experience were much less likely to report concerns about caring for adults (10/47 (21%) v 103/164 (63%) p<0.001).

119 (56%) staff reported burnout - nurses (92/134 (69%) and AHPs (12/21 (57%) reported higher burnout than doctors (15/56 (27%) p<0.001). Sleep difficulties were reported by 137 (65%) - nurses affected more than their colleagues (102 (76%) v 10 (48%) AHPs and 25 (45%) doctors, p<0.001). Staff with previous AICU experience reported lower rates of burnout (16 (34%) v 103 (63%), p<0.001) and sleep difficulties (16 (34%) v121 (74%), p<0.001).

Fear of spreading infection was reported by 139 (66%) and the need to be extra vigilant by 128 (61%), with no significant differences found between professions. A third 76 (36%), were concerned that their patients had received sub-optimal care and 29 (14%) felt that the care they had provided had been compromised by their personal concerns, with this response being more common in those without previous AICU experience (27 (16%) v 2 (4%), p=0.032).

Staff found it difficult not being able to communicate face to face with patients’ families; having to care for people that were their own age or their parents’ age; working in full PPE; absence of clear guidelines and staff shortages. Their main methods of coping were relying on existing team relationships; obtaining support from friends and family; maintaining personal resilience and accepting they were doing their best. Positive aspects included networking with AICU colleagues, a feeling of enhanced comradeship and pride in learning new skills eg proning, but there were requests for greater visibility of managers, better communication and more training.

Conclusions
The finding that so many staff in this survey reported burnout and sleep problems suggests that the provision on the management of traumatic stress symptoms and sleep hygiene may be helpful.

Although several PICUs managed adult patients, there were paediatric staff redeployed to adults’ units as well. This survey suggests that staff with previous AICU should be used first and that extra support may be needed for others redeployed later, to maintain their connection with their base team in the interests of minimising the psychological repercussions which they may be at increased risk of experiencing.

British Inherited Mitochondrial Disease Group

Abstracts

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SURVEY OF THE EXPERIENCES OF STAFF WHO CARED FOR ADULT PATIENTS WITH COVID-19 ON PAEDIATRIC INTENSIVE CARE UNITS DURING THE FIRST WAVE OF THE PANDEMIC

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Background
As the first wave of COVID-19 pandemic was gripping the nation and patient numbers on adult intensive care (AICU) were increasing rapidly, Paediatric Intensive Care Units (PICUs) across the UK offered to admit adults on PICUs.

Objectives
To determine the number of children with mitochondrial disease currently attending the NHS Highly Specialised Service for Rare Mitochondrial Diseases Oxford with evidence of receiving supplementary feeding.

Methods
An anonymous online survey, comprised of eleven fixed response and four free text questions, conducted between May and June 2020.

Results
A total, 211 responders from six English PICUs included 134 nurses, 56 physicians and 21 allied health practitioners (AHPs). Two third had > 5 years PICU experience and 47 (22%) had previous adult ICU (AICU) experience.

A majority, 113 (54%) reported that required to take care of adults was most concerning whereas only 58 (28%) were concerned due to COVID 19. Those with previous AICU experience were much less likely to report concerns about caring for adults (10/47 (21%) v 103/164 (63%) p<0.001).

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