developed, to investigate the associations between exposure and the presence of skin damage.

**Method** Based on ICNIRP publications, a detailed questionnaire, considering both working and leisure UV exposure, was developed and applied in groups of volunteers and in patients affected by Non Melanoma Skin Cancers (NMSCs), to evaluate whole-life SR exposure and the relevant factors associated, including exposure habits, environmental factors and use of protections.

**Results** In patients with NMSCs, we found that the co-presence of in situ squamous cell carcinoma (SCC) and invasive NMSCs was more frequent in OWs than in indoor workers (IW), as was also the frequency of multiple skin lesions. The prevalence of lesions in the most exposed body areas, as the face, was significantly higher in OWs, while working in shades was negatively associated with skin lesions. Also working posture was relevant: adopting a bent-over position was associated with lesions on the head. For leisure activities, the questionnaire application confirms the relevant role of tanning beds, in particular for body areas usually not highly exposed to SR, and the relevance of intense exposure in the middle hours of the vacation days (‘sunbaths’), significantly associated with NMSCs presence.

**Conclusion** A detailed questionnaire-based evaluation in subjects with NMSCs can be very useful for estimating the whole-life individual UV exposure and the relevancy of occupation. Furthermore, an integration with personal dosimetric UV measurements can lead to a semi-quantitative evaluation, to set out exposure levels and different exposure modalities (e.g. intermittent vs cumulative) for various occupations and, possibly, for the different SCs.

**1616c INTEGRATED CARE FOR WORKERS WITH OCCUPATIONAL SKIN CANCER IN THE GERMAN SOCIAL ACCIDENT INSURANCE SCHEME – REHABILITATION WITH ALL APPROPRIATE MEANS PROVIDED BY THE STATUTORY SOCIAL ACCIDENT INSURANCE IN GERMANY**

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**Introduction** Skin cancer caused by exposure to certain harmful substances has been a part of the list of occupational diseases in Germany for some time. In 2015 certain types of skin cancer (squamous cell carcinoma or multiple actinic keratoses of the skin caused by natural UV-irradiation) were added as a new occupational disease to the list of occupational diseases. These types of skin cancer are recognized as occupational disease if the insured person has been exposed to certain effective doses of sunlight at his or her workplace. There is a rising number of such cases reported to the statutory social accident insurance and its institutions which are the entities in charge of prevention, rehabilitation and compensation of occupational diseases in accordance with the German social security system. The institutions for statutory social accident insurance have developed concepts to handle the growing numbers of these cases.

**Methods** Based on research and the discussion with medical experts, standards for the procedure, for the medical treatment, the rehabilitation of workers affected by occupational skin cancer and the prevention of occupational skin cancer have been established. Concepts for follow-up care have been developed and new methods of therapy have been admitted for the medical treatment of patients suffering from occupational skin cancer.

**Results** The statutory social accident insurance has established measures to provide effective methods of rehabilitation for the patients concerned in accordance with the basic principle governing this social security scheme in Germany – acting ‘with all appropriate means’.

**Discussion** Apart from providing effective help for the workers affected a major aim for the institutions of statutory accident insurance is the prevention of occupational skin cancer caused by exposure to natural UV-irradiation. The institutions of statutory social accident insurance will continue their efforts to reduce the risk for workers of contracting skin cancer caused by exposure to natural UV-irradiation at the workplace.