Safety and Efficacy of Upadacitinib for Atopic Dermatitis in Japan: 2-Year Interim Results From the Phase 3 Rising Up Study

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SUPPLEMENTARY MATERIALS

Table S1 Patient demographics and baseline characteristics among adolescents

| Characteristic | Upadacitinib 15 mg ^a (<i>N</i> = 10) | Upadacitinib 30 mg ^a (<i>N</i> = 10) | Placebo ^a (N = 9) |
|--|--|--|---------------------------------|
| Age, years, mean (SD) | 15.4 (1.9) | 16.3 (1.5) | 14.9 (1.6) |
| Sex, n (%) | | | |
| Female | 3 (30.0) | 2 (20.0) | 2 (22.2) |
| Male | 7 (70.0) | 8 (80.0) | 7 (77.8) |
| Weight, kg, mean (SD) | 51.3 (7.2) | 60.7 (12.9) | 58.8 (10.8) |
| Affected BSA, %, mean (SD) | 64.7 (21.5) | 65.4 (25.2) | 57.5 (26.3) |
| Disease duration since diagnosis, years, mean (SD) | 10.4 (5.1) | 12.0 (4.6) | 9.5 (5.1) |
| vIGA-AD, <i>n</i> (%) | | | |
| Moderate (score of < 4) | 6 (60.0) | 6 (60.0) | 5 (55.6) |
| Severe (score of 4) | 4 (40.0) | 4 (40.0) | 4 (44.4) |
| EASI, mean (SD) | 34.6 (13.4) | 37.0 (14.7) | 32.3 (16.0) |
| WP-NRS, mean (SD) | 6.7 (1.4) | 5.9 (1.1) | 6.4 (1.6) |
| hsCRP, mg/L, mean (SD) | 1.7 (2.9) | 0.9 (0.9) | 5.1 (13.1) |

BSA, body surface area; EASI, Eczema Area and Severity Index; hsCRP, high-sensitivity C-reactive protein; vIGA-AD, validated Investigator Global Assessment for Atopic Dermatitis; WP-NRS, Worst Pruritus Numerical Rating Scale

^aAll patients received concomitant topical corticosteroids from baseline to week 16. After week 16, the use of concomitant topical corticosteroids was no longer required and was administered per investigator discretion

Table S2 Exposure-adjusted event rates through 52 weeks and 112 weeks in the Rising Up study

| | Wee | ek 52 | Week 112 | | |
|--|--|--|--|--|--|
| Events (E/100 PY) | Upadacitinib 15 mg ^a (<i>N</i> = 133; PY = 151.2) | Upadacitinib 30 mg ^a (<i>N</i> = 136; PY = 149.7) | Upadacitinib 15 mg ^a (<i>N</i> = 133; PY = 289.4) | Upadacitinib 30 mg ^a (<i>N</i> = 136; PY = 287.7) | |
| Overview | | | | | |
| Any AE | 339 (224.2) | 386 (257.8) | 563 (194.5) | 594 (206.4) | |
| AE with reasonable possibility of being drug related | 90 (59.5) | 108 (72.1) | 146 (50.4) | 155 (53.9) | |
| Severe AE | 10 (6.6) | 12 (8.0) | 20 (6.9) | 19 (6.6) | |
| Serious AE | 6 (4.0) | 5 (3.3) | 17 (5.9) | 11 (3.8) | |
| AE leading to discontinuation of study drug | 4 (2.6) | 3 (2.0) | 7 (2.4) | 5 (1.7) | |
| Deaths | 0 | 0 | 0 | 0 | |
| Most common AEs ^b | | | | | |
| Acne | 29 (19.2) | 46 (30.7) | 39 (13.5) | 58 (20.2) | |
| Nasopharyngitis | 44 (29.1) | 59 (39.4) | 51 (17.6) | 65 (22.6) | |
| Herpes zoster | 7 (4.6) | 19 (12.7) | 18 (6.2) | 33 (11.5) | |
| Pyrexia | 8 (5.3) | 7 (4.7) | 14 (4.8) | 17 (5.9) | |

Table S2 Exposure-adjusted event rates through 52 weeks and 112 weeks in the Rising Up study

| | Wee | ek 52 | Week 112 | |
|---------------------|--|--|--|--|
| Events (E/100 PY) | Upadacitinib 15 mg ^a (<i>N</i> = 133; PY = 151.2) | Upadacitinib 30 mg ^a (<i>N</i> = 136; PY = 149.7) | Upadacitinib 15 mg ^a (<i>N</i> = 133; PY = 289.4) | Upadacitinib 30 mg ^a (<i>N</i> = 136; PY = 287.7) |
| Dermatitis atopic | 7 (4.6) | 6 (4.0) | 17 (5.9) | 10 (3.5) |
| Skin papilloma | 6 (4.0) | 1 (0.7) | 16 (5.5) | 7 (2.4) |
| Folliculitis | 11 (7.3) | 4 (2.7) | 17 (5.9) | 7 (2.4) |
| Oral herpes | 5 (3.3) | 9 (6.0) | 16 (5.5) | 11 (3.8) |
| Blood CPK increased | 3 (2.0) | 6 (4.0) | 6 (2.1) | 13 (4.5) |
| Herpes simplex | 14 (9.3) | 7 (4.7) | 23 (7.9) | 11 (3.8) |
| Influenza | 6 (4.0) | 11 (7.3) | 7 (2.4) | 11 (3.8) |
| Eczema herpeticum | 9 (6.0) | 3 (2.0) | 15 (5.2) | 6 (2.1) |
| ALT increased | 4 (2.6) | 6 (4.0) | 8 (2.8) | 10 (3.5) |
| Headache | 5 (3.3) | 4 (2.7) | 10 (3.5) | 9 (3.1) |
| Tinea pedis | 2 (1.3) | 5 (3.3) | 2 (0.7) | 11 (3.8) |
| Gastroenteritis | 3 (2.0) | 3 (2.0) | 8 (2.8) | 5 (1.7) |
| Arthralgia | 1 (0.7) | 12 (8.0) | 1 (0.3) | 13 (4.5) |

Table S2 Exposure-adjusted event rates through 52 weeks and 112 weeks in the Rising Up study

| | Wee | ek 52 | Week 112 | |
|-------------------|--|--|--|--|
| Events (E/100 PY) | Upadacitinib 15 mg ^a (<i>N</i> = 133; PY = 151.2) | Upadacitinib 30 mg ^a (<i>N</i> = 136; PY = 149.7) | Upadacitinib 15 mg ^a (<i>N</i> = 133; PY = 289.4) | Upadacitinib 30 mg ^a (<i>N</i> = 136; PY = 287.7) |
| Dental caries | 2 (1.3) | 2 (1.3) | 7 (2.4) | 4 (1.4) |
| Furuncle | 6 (4.0) | 3 (2.0) | 8 (2.8) | 4 (1.4) |
| Asthma | 2 (1.3) | 8 (5.3) | 1 (0.3) | 9 (3.1) |

AE, adverse event; ALT, alanine aminotransferase; CPK, creatine phosphokinase; E/100 PY, events per 100 patient-years; PY, patient years

^aAll patients received concomitant topical corticosteroids from baseline to week 16. After week 16, the use of concomitant topical corticosteroids was no longer required and was administered per investigator discretion

^bMost common AEs are defined as those occurring in > 5% of patients in either group

 Table S3 Short- and long-term safety of upadacitinib among adolescents in the Rising Up study

| | Week 16, n (%) | | | Week 112; n/PY (n/100 PY) | |
|--|--|--|-------------------------|--|--|
| Parameter | Upadacitinib 15 mg +TCS (N = 10) | Upadacitinib 30 mg +TCS (N = 10) | Placebo +TCS (N = 9) | Upadacitinib 15 mg ^a (<i>N</i> = 14) | Upadacitinib 30 mg ^a (<i>N</i> = 14) |
| Overview | | | | | |
| Any AE | 9 (90.0) | 8 (80.0) | 6 (66.7) | 13/8.3 (155.8) | 12/4.6 (260.9) |
| AE with reasonable possibility of being drug related | 2 (20.0) | 1 (10.0) | 1 (11.1) | 8/19.9 (40.2) | 6/21.4 (28.1) |
| Severe AE | 0 | 1 (10.0) | 0 | 2/28.3 (7.1) | 1/24.9 (4.0) |
| Serious AE | 0 | 0 | 0 | 3/28.0 (10.7) ^b | 0/27.2 |
| AE leading to discontinuation of study drug | 0 | 0 | 0 | 1/30.8 (3.2) | 1/27.1 (3.7) |
| Deaths | 0 | 0 | 0 | 0/31.1 | 0/27.2 |
| Most common AEs ^c | | | | | |
| Acne | 3 (30.0) | 3 (30.0) | 1 (11.1) | 6/20.6 (29.2) | 7/13.7 (51.2) |
| Nasopharyngitis | 1 (10.0) | 1 (10.0) | 3 (33.3) | 4/24.5 (16.4) | 7/18.3 (38.2) |
| Influenza | 1 (10.0) | 1 (10.0) | 0 | 2/27.0 (7.4) | 2/23.2 (8.6) |
| Upper RTI | 3 (30.0) | 1 (10.0) | 0 | 3/24.1 (12.4) | 1/24.7 (4.0) |

 Table S3 Short- and long-term safety of upadacitinib among adolescents in the Rising Up study

| | Week 16, n (%) | | | Week 112; n/PY (n/100 PY) | |
|---------------------------|--|--|-------------------------|--|--|
| Parameter | Upadacitinib 15 mg +TCS (N = 10) | Upadacitinib 30 mg +TCS (N = 10) | Placebo +TCS (N = 9) | Upadacitinib 15 mg ^a (<i>N</i> = 14) | Upadacitinib 30 mg ^a (<i>N</i> = 14) |
| Anemia | 0 | 0 | 0 | 3/28.0 (10.7) | 0/27.2 |
| Asthma | 0 | 1 (10.0) | 0 | 1/29.2 (3.4) | 2/23.5 (8.5) |
| Blood CPK increased | 1 (10.0) | 0 | 0 | 2/27.2 (7.4) | 1/26.8 (3.7) |
| Headache | 0 | 0 | 0 | 1/30.2 (3.3) | 2/25.6 (7.8) |
| Otitis externa | 0 | 0 | 0 | 2/28.5 (7.0) | 1/26.2 (3.8) |
| Pharyngitis | 0 | 1 (10.0) | 0 | 1/29.7 (3.4) | 2/23.8 (8.4) |
| Pyrexia | 1 (10.0) | 1 (10.0) | 0 | 2/27.5 (7.3) | 1/24.9 (4.0) |
| Skin papilloma | 0 | 0 | 0 | 1/30.8 (3.2) | 2/25.9 (7.7) |
| Enterocolitis | 0 | 0 | 0 | 0/31.1 | 2/25.3 (7.9) |
| Gastroenteritis | 0 | 0 | 1 (11.1) | 2/30.2 (6.6) | 0/27.2 |
| Hepatic function abnormal | 0 | 0 | 0 | 2/30.2 (6.6) | 0/27.2 |
| Herpes zoster | 0 | 0 | 0 | 0/31.1 | 2/26.3 (7.6) |
| Impetigo | 0 | 0 | 0 | 2/30.0 (6.7) | 0/27.2 |

Table S3 Short- and long-term safety of upadacitinib among adolescents in the Rising Up study

| | Week 16, n (%) | | | Week 112; n/ | PY (<i>n</i> /100 PY) |
|-----------|----------------|--|-------------------------|--|--|
| Parameter | • | Upadacitinib 30 mg +TCS (N = 10) | Placebo +TCS (N = 9) | Upadacitinib 15 mg ^a (<i>N</i> = 14) | Upadacitinib 30 mg ^a (<i>N</i> = 14) |

AE, adverse event; CPK, creatine phosphokinase; n/100 PY, number of patients with at least one event per 100 patient-years; n/PY, number of patients with at least one event divided by the total patient years for patients at risk of an event; RTI, respiratory tract infection; TCS, topical corticosteroids; UPA, upadacitinib

^aAfter week 16, the use of concomitant topical corticosteroids was no longer required and was administered per investigator discretion ^bSerious AEs included appendicitis (possibly related to study drug), concussion due to accident (unrelated to study drug), and irritable bowel syndrome (unrelated to study drug)

[°]Most common AEs are defined as those occurring in ≥ two patients in either adolescent treatment group at week 112

Table S4 Exposure-adjusted event rates for AESIs through 52 weeks and 112 weeks in the Rising Up study

| | Wee | ek 52 | Week 112 | | |
|--|--|--|--|--|--|
| AESI, events (E/100 PY) | Upadacitinib 15 mg ^a (<i>N</i> = 133; PY = 151.2) | Upadacitinib 30 mg ^a (<i>N</i> = 136; PY = 149.7) | Upadacitinib 15 mg ^a (<i>N</i> = 133; PY = 289.4) | Upadacitinib 30 mg ^a (<i>N</i> = 136; PY = 287.7) | |
| Serious infections | 4 (2.6) | 4 (2.7) | 6 (2.1) | 4 (1.4) | |
| Opportunistic infection excluding TB and herpes zoster | 10 (6.6) | 3 (2.0) | 16 (5.5) | 7 (2.4) | |
| Malignancy | 0 | 0 | 1 (0.3) | 0 | |
| NMSC | 0 | 0 | 0 | 0 | |
| Malignancy excluding NMSC | 0 | 0 | 1 (0.3) | 0 | |
| Lymphoma | 0 | 1 (0.7) | 0 | 1 (0.3) | |
| Hepatic disorder | 8 (5.3) | 11 (7.3) | 18 (6.2) | 19 (6.6) | |
| Gastrointestinal perforation | 0 | 0 | 0 | 0 | |
| Anemia | 4 (2.6) | 7 (4.7) | 5 (1.7) | 9 (3.1) | |
| Neutropenia | 2 (1.3) | 8 (5.3) | 2 (0.7) | 12 (4.2) | |
| Lymphopenia | 0 | 1 (0.7) | 0 | 2 (0.7) | |
| Herpes zoster | 8 (5.3) | 21 (14.0) | 21 (7.3) | 37 (12.9) | |
| CPK elevation | 3 (2.0) | 6 (4.0) | 6 (2.1) | 13 (4.5) | |

Table S4 Exposure-adjusted event rates for AESIs through 52 weeks and 112 weeks in the Rising Up study

| | Wee | ek 52 | Week 112 | | |
|-------------------------------|--|--|--|--|--|
| AESI, events (E/100 PY) | Upadacitinib 15 mg ^a (<i>N</i> = 133; PY = 151.2) | Upadacitinib 30 mg ^a (<i>N</i> = 136; PY = 149.7) | Upadacitinib 15 mg ^a (<i>N</i> = 133; PY = 289.4) | Upadacitinib 30 mg ^a (<i>N</i> = 136; PY = 287.7) | |
| Renal dysfunction | 0 | 0 | 0 | 0 | |
| Active TB | 0 | 0 | 0 | 0 | |
| Adjudicated MACE ^b | 1 (0.7) | 0 | 1 (0.3) | 0 | |
| Adjudicated VTE° | 0 | 0 | 0 | 0 | |

AESI, adverse event of special interest; MACE, major adverse cardiovascular event, E/100 PY, events per 100 patient-years; NMSC, non-melanoma skin cancer; TB, tuberculosis; VTE, venous thromboembolic events

^aAll patients received concomitant topical corticosteroids from baseline to week 16. After week 16, the use of concomitant topical corticosteroids was no longer required and was administered per investigator discretion

^bMACE is defined as cardiovascular death, non-fatal myocardial infarction, and non-fatal stroke

cVTE is defined as deep vein thrombosis and pulmonary embolism (fatal and non-fatal)

Table S5 Short-term incidence and long-term exposure-adjusted incidence rates for AESIs among adolescents in the Rising Up study

| | | Week 16, n (%) | | Week 112; n/PY (n/100 PY) | |
|--|---|---|-----------------------------|--|--|
| Parameter | Upadacitinib 15 mg + TCS (N = 10) | Upadacitinib 30 mg + TCS (N = 10) | Placebo + TCS (N = 9) | Upadacitinib 15 mg ^a (<i>N</i> = 14) | Upadacitinib 30 mg ^a (<i>N</i> = 14) |
| Serious infections | 0 | 0 | 0 | 1/29.6 (3.4) | 0/27.2 |
| Opportunistic infection excluding TB and herpes zoster | 1 (10.0) | 0 | 0 | 1/30.8 (3.2) | 0/27.2 |
| Malignancy | 0 | 0 | 0 | 0/31.1 | 0/27.2 |
| NMSC | 0 | 0 | 0 | 0/31.1 | 0/27.2 |
| Malignancy excluding NMSC | 0 | 0 | 0 | 0/31.1 | 0/27.2 |
| _ymphoma | 0 | 0 | 0 | 0/31.1 | 1/27.1 (3.7) |
| Hepatic disorder | 0 | 0 | 0 | 3/29.5 (10.2) | 1/26.1 (3.8) |
| Gastrointestinal perforation | 0 | 0 | 0 | 0/31.1 | 0/27.2 |
| Anemia | 0 | 0 | 0 | 3/28.0 (10.7) | 0/27.2 |
| Neutropenia | 0 | 0 | 0 | 0/31.1 | 1/26.1 (3.8) |
| _ymphopenia | 0 | 0 | 0 | 0/31.1 | 0/27.2 |
| Herpes zoster | 0 | 0 | 0 | 0/31.1 | 2/26.3 (7.6) |
| CPK elevation | 1 (10.0) | 0 | 0 | 2/27.2 (7.4) | 1/26.8 (3.7) |

Table S5 Short-term incidence and long-term exposure-adjusted incidence rates for AESIs among adolescents in the Rising Up study

| | | Week 16, n (%) | | | PY (<i>n</i> /100 PY) |
|-------------------|---|---|-----------------------------|--|--|
| Parameter | Upadacitinib 15 mg + TCS (<i>N</i> = 10) | Upadacitinib 30 mg + TCS (N = 10) | Placebo + TCS (N = 9) | Upadacitinib 15 mg ^a (N = 14) | Upadacitinib 30 mg ^a (<i>N</i> = 14) |
| Renal dysfunction | 0 | 0 | 0 | 0/31.1 | 0/27.2 |
| Active TB | 0 | 0 | 0 | 0/31.1 | 0/27.2 |
| Adjudicated MACE | 0 | 0 | 0 | 0/31.1 | 0/27.2 |
| Adjudicated VTE | 0 | 0 | 0 | 0/31.1 | 0/27.2 |

AESI, adverse event of special interest; MACE, major adverse cardiovascular event, n/100 PY, number of patients with at least one event per 100 patient-years; n/PY, number of patients with at least one event divided by the total patient years for patients at risk of an event; NMSC, non-melanoma skin cancer; TB, tuberculosis; TCS, topical corticosteroids; VTE, venous thromboembolic events

^aAfter week 16, the use of concomitant topical corticosteroids was no longer required and was administered per investigator discretion

Table 6 Institutional review boards and ethics committees for the Rising Up study

| IRB/IEC Name | City | State/Province, Country |
|--|---------------|-------------------------|
| Nihon University Hospitals' Joint Institutional Review Board | Itabashi-Ku | Tokyo, Japan |
| Kansai Rosai Hospital IRB | Amagasaki-shi | Hyogo, Japan |
| Toyama Prefectural Central Hospital Institutional Review Board | Toyama-shi | Toyama, Japan |
| Nihonbashi Sakura Clinic Institutional Review Board | Chuo-ku | Tokyo, Japan |
| Tokyo Rosai Hospital IRB | Ohta-ku | Tokyo, Japan |
| Nihonbashi Sakura Clinic Institutional Review Board | Chuo-ku | Tokyo, Japan |
| Tokyo Eki Center Building Clinic Institutional Review Board | Chuo-ku | Tokyo, Japan |
| Asahikawa Medical University Hospital Institutional Review Board | Asahikawa-shi | Hokkaido, Japan |
| Fukuyama City Hospital IRB | Fukuyama-shi | Hiroshima, Japan |
| Nakameguro Atlas Clinic IRB | Meguro-ku | Tokyo, Japan |
| Japan Conference of Clinical Research | Toshima-ku | Tokyo, Japan |
| Joint Institutional Review Board | Kochi-shi | Kochi, Japan |
| Central Japan International Medical Center IRB | Minokamo-shi | Gifu, Japan |
| Joint Institutional Review Board | Kochi-shi | Kochi, Japan |
| Nakameguro Atlas Clinic IRB | Meguro-ku | Tokyo, Japan |
| Joint Institutional Review Board | Kochi-shi | Kochi, Japan |

Table 6 Institutional review boards and ethics committees for the Rising Up study

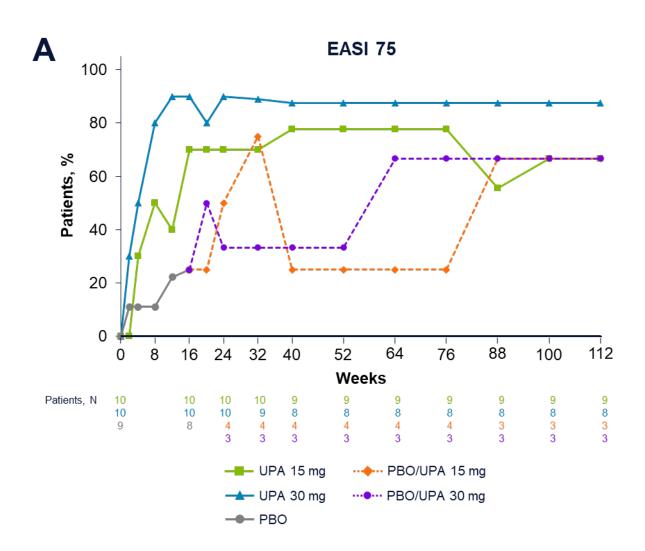
| IRB/IEC Name | City | State/Province, Country |
|--|----------------|-------------------------|
| Hyogo Prefectural Amagasaki General Medical Center IRB | Amagasaki-shi | Hyogo, Japan |
| Joint Institutional Review Board | Kochi-shi | Kochi, Japan |
| Tokai University Hospital–Isehara Campus | Isehara-Shi | Kanagawa, Japan |
| Nihonbashi Sakura Clinic Institution Review Borad | Chuo-ku | Tokyo, Japan |
| Nakameguro Atlas Clinic IRB | Meguro-ku | Tokyo, Japan |
| Joint Institutional Review Board | Kochi-shi | Kochi, Japan |
| Nihonbashi Sakura Clinic Institutional Review Board | Chuo-ku | Tokyo, Japan |
| Ichinomiya Municipal Hospital Institutional Review Board | Ichinomiya-shi | Aichi, Japan |
| Tokyo Eki Center Building Clinic Institutional Review Board | Chuo-ku | Tokyo, Japan |
| Joint Institutional Review Board | Kochi-shi | Kochi, Japan |
| Nagoya City University Institutional Review Board | Nagoya-shi | Aichi, Japan |
| Gunma University Hospital Institutional Review Board | Maebashi-shi | Gunma, Japan |
| Joint Institutional Review Board | Kochi-shi | Kochi, Japan |
| Nippon Medical School Musashi Kosugi Hospital Institutional Review Board | Kawasaki-shi | Kanagawa, Japan |
| Kiryu Kosei General Hospital Institutional Review Board | KIRYU-SHI | Gunma, Japan |
| Kobe University Hospital Institutional Review Board | Kobe-shi | Hyogo, Japan |

Table 6 Institutional review boards and ethics committees for the Rising Up study

| IRB/IEC Name | City | State/Province, Country |
|--|--------------|-------------------------|
| Yokohama Rosai Hospital Institutional Review Board | Yokhama-shi | Kanagawa, Japan |
| Joint Institutional Review Board | Kochi-shi | Kochi, Japan |
| Nagasaki University Hospital Institutional Review Board | Nagasaki-shi | Nagasaki, Japan |
| Tokyo Allergy and Respiratory Disease Research Institute IRB | Taito-ku | Tokyo, Japan |
| Shizuoka General Hospital Institutional Review Board | Shizuoka shi | Shizuoka, Japan |
| Joint Institutional Review Board | Kochi-shi | Kochi, Japan |
| Hokkaido P.W.F.A.C Sapporo-Kosei General Hospital Institutional Review Board | Sapporo-shi | Hokkaido, Japan |
| Tokyo Eki Center Building Clinic Institutional Review Board | Chuo-ku | Tokyo, Japan |
| Nihonbashi Sakura Clinic Institutional Review Board | Chuo-ku | Tokyo, Japan |
| Joint Institutional Review Board | Kochi-shi | Kochi, Japan |
| Nagaoka Red Cross Hospital Institutional Review Board | Nagaoka-shi | Niigata, Japan |

IEC, international ethics committee; IRB, institutional review board

Fig. S1 Adolescents achieving EASI 75 and EASI 90 from baseline to week 112. Data are presented as observed cases with no imputation for missing data. All patients received concomitant topical corticosteroids from baseline to week 16. After week 16, the use of concomitant topical corticosteroids was no longer required and was administered per investigator discretion. EASI 75/90, ≥ 75%/≥ 90% improvement in Eczema Area Severity Index; PBO, placebo; UPA, upadacitinib



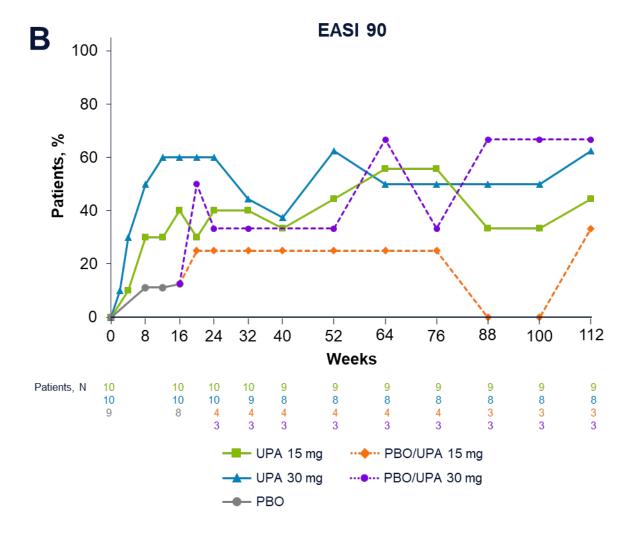


Fig. 2 Adolescents achieving vIGA-AD 0/1ª from baseline to week 112. Data are presented as observed cases with no imputation for missing data. All patients received concomitant topical corticosteroids from baseline to week 16. After week 16, the use of concomitant topical corticosteroids was no longer required and was administered per investigator discretion.

^aPatients achieving vIGA-AD 0/1 with at least two grades of reduction from baseline. AD, atopic dermatitis; PBO, placebo; UPA, upadacitinib; vIGA-AD 0/1, validated Investigator Global Assessment for AD score of clear or almost clear.

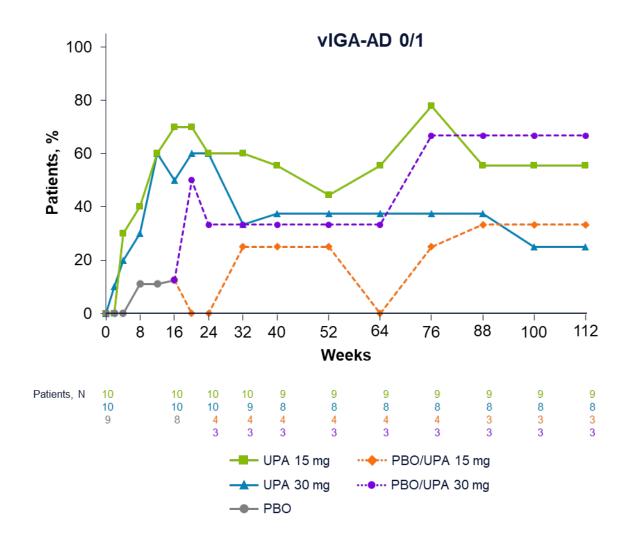


Fig. 3 Adolescents achieving WP-NRS ≥ 4-point improvement^a from baseline to week 112. Data are presented as observed cases with no imputation for missing data. All patients received concomitant topical corticosteroids from baseline to week 16. After week 16, the use of concomitant topical corticosteroids was no longer required and was administered per investigator discretion. ^aAmong patients with WP-NRS scores ≥ 4 at baseline. PBO, placebo; UPA, upadacitinib; WP-NRS, Worst Pruritus Numerical Rating Scale.

